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NG STORIES

Vol. 2 No. 5 August, 1927

COMPANY & RENESAL STRICES; DO FRO Any Are YOU CO. fermout Prof. 5. Greeksth Tree S W Bellex Section AWAZING STITLES, SAGIO LITTERED BUILD

Contents for August The War of the Worlds Ry H G Walls

By Julian Hunley... The Retreat to Mary

Electro-Enjanded in A D 2025

The Ultra-Elixie of Youth

The Chemical Magnet Hicks' Inventions With a Kirk

The Shadow on the Snork

Our Cones

the grouph deputs a some in "The War of the Worlds," by If G. Wills, in which the there Manuscon-braidly developed intelligenative as feature under such the supplier of the such as a subject to the sub

In Our Next Issue: THE RADIO GHOST, by One Adelbert King

THE WINGED DOOM, by Kenneth Gibert

del be formed as our national measures. We simply finition this to show that the size of petralying human beings is, after all, not so-invisited of THE WAR OF THE WORLDS, by H. G.

provinced at month polymer has recent field a read for this lays and DES TOTAL CRASS of few advantables on scales a recent has a new man consider to make and every nor want. When again we consider a province of the contract of the contract of the contract of the CRASSON OF ALEXANDER Will's on the law through a remarkal pri-ty of 12 this way to be contracted on the contract of the type of the contract of the contract of the contract of the type of the contract of the contract of the contract of the type of the contract of the contract of the contract of the type of the contract of the contract of the contract of the contract of the type of the contract Greens Advertising Days . 100 Fifth Avenue, New York Chy

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"Why Hasn't Someone Thought of That

Before---?"

THUS asks a reader who has just made the acquisitance of Modern Story Magazine, the new magazine devoted exclusively to modern youth. "A magazine that actually is 'of, but of modern youth' thrills me to pieces!" writes this El Paso. Texas, girl. "Why hants' ismoone thought of that before? It deems to me that there is a great need, a crying demand, for just such a magazine."*

LEST is be thought that only the fair sex has taken to be ideal behind Modern Story, we have no quote from a chap in Chicago: "It indeed was a formante circumstace which led me the nearestand where I got my first copy of Modern Story Magazine. I had started out looking for a copy of sundern magazine that started out looking for a copy of sundern magazine that started out looking for a copy of sundern magazine that started out looking for a copy of sundern magazine that started out looking for a copy of sundern magazine that started out looking for a copy of sundern started out looking for a copy of sundern started out looking for the copy of sundern started out looking for the copy of sundern started out looking for sundern started started out looking for sundern started started started started started started started

W HAT is it about this new magazine that has so captured the imagination of modern youth? It must be fresh and different; it must offer them something that no other publication does. Nothing else will explain the enthusiasm arousd by its appearance, and its steadily mounting circulation.

PERHAPS you, too, have been looking for just such a magazine, but have not known that it exists. If you like real stories of the present moment, stories that plumb the manifold phases of modern life and love, you are certain to like Modern Story Magazine. It's a quarter a copy at all newsstands. Get sour today!

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THE MAGAZINE



OF SCIENTIFICTION

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DR. T. CYCONOR SLOANE, Ph.D.; Associate Editor

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Edited and General OSies: 23) Prits Avenue, New York, N. Y.

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A DIFFERENT STORY



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Submitted by Colark Arter....

e publishers. It is with this thought in mind that I idl I am not expecting too much when I sak that you sign the blank below, giving us the names and I addresses of as many of your frends as you think might be interested in Amazino Stoarra.

Only by having additional readers can the maga-

ma(b) is herered in A Academ Source.

The byte is beginned as a goodale has. When we have been to be in the probability of the policy of the probability of the proba

MANN HONDIL ROSETS

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Mr. Hugo Germback speaks every Nosday as 9 P. M. from WRNY on various scientific and radia

The WAR of the WORLDS By H. G. Wells

athor of "Under the Knife," "The Time Machine



These which have some area a being Martins one accords heavy.

The third property of this magnit, the Gargen property of the same than the control of the co

human affairs were being watched

greater than man's and yet as mortal their affairs they were scratinized and studied. scope might constinue the transient creatures that

nite complacency men went to and fro over this globe about their little affairs, serene in their assur-No one gave a thought to the older worlds of space

as sources of human danger, or thought of them possible or improbable. It is curious to recall some of the mental habits of those departed days. At

men upon Mars, perhaps inferior to themselves and

agross the gulf of smace. garded this earth with envious eyes, and slowly and surely drew their plans against us. And

early an the twentieth The planet Mars,

this earth coased to be molton, life upon its surface

Yet so vain is man, and so blinded by his varity. century, expressed any idea that intelligent life stood that since Mars is eiger than our earth, with scarcely a quarter of the superficial area, and re-

The recular cooling that must some day overtake our planet has already gons far indeed with our neighbor. Its physical condition is still largely a

mystery, but we know now that even in its equatorial region the midday temperature barely arproaches that of our coldest winter. Its air is much about either pole, and pariodically inundate its tem to us is still incredibly remote, has become a present-day problem for the inhabitants of Mars. The ments and intelligences such as we have scarcely

moter from the sun, it necessarily follows that it is not only more distant from life's beginning but

35,000,010 of miles sunward of them, a morning regetation and gray with water, with a cloudy at marrhere elegant of fertility, with elliproces, through its drifting cloud-wispe of broad stretches of populous country and OF all the stories that H. G. Wells wents, corkats

tene has become so justly famous as "The Wor of the Worlds" In this cissue, one of the first great Mar-And we men, the creatures who inhabit this earth, must be to them at least as affen and lowly as are the monkeys and lamors to us. The intellectual side of wan al existence, and it would seem that this too is the Wells has often been condemned become of his pibelief of the winds upon

Mare. Their woold is for gone in its cooling, and this world is still enoughed with life, but crowded only with what they re generation creeps upon

And before we ludge of there too becally we must remember what ruthless and otter destruction our own species has wrought, not only upon animals, of their human likeness, were entirely swept out of

we such specifies of mercy as to complein if the Martians warred in the same spirit!

learning is evidently far in excess of corn-ord to

424 AMAZING STORIES nich verfact unanimity. Had our instruments per- of vacours in which the dust of the material uni-

far back in the nisebeath century. Men bive Schnapardii watched the red planis—It is old, by-the-try, that for ceutiless centuries Mars has been the star of war—Inst failed to interpret the floctuating appearances of the markings they respect so well. All that time the Martians must have been getting raisely.

During the opposition of 1890, a great light was seen on the illuminated part of the skip was seen on the illuminated part of the skip was seen to the skip when the skip was seen of Nion and List by these observers. Employ readers heard of it first in the issue of Nioner dark August 2. Tax inclined to thisk that the appearance may have been the casting of the burse you, the vait pid unank into that pixets, from which their adata were first of us. Peculiar markings, as yet unexplained, were seen most the after of that controlled during the

ment two oppositions.
The stores begate upon us the years are now. At
Mara approached opposition, Lavella of Joses set the
wires of the astronomial enhance pollutating with
the amosting intelligence of a large coloriest of the
the amosting intelligence of a large coloriest of the
transition for the transition of the contents of the
transition for the ITM, and the spectroscope,
to which he had at once resorted, indicated a mass
of illuming mas, chiefly hydrogen, moving with an
entermose volocity towards this earth. This jet of
the had become invisible about a quarter position.

softenly and visituity squitted out of the plane, "as furning are rankes out of a gen."

A singularly appropriate phrase it greened. Yet the next day there was ruthing of this in the appropriate parties of the size of the providence of the country of the providence of the fractions of the fractions of this fractions of this fractions is sufficiently only to the a true course of this fractions is sufficiently only the providence of the fractions is sufficiently survivalent only to the a true.

number that will very distinctly the block and that absencedness, the shadowed matter thereing a that absencedness, the shadowed matter thereing a third to be shadowed on the absence, the tills of the shadowed of the absence, the tills of the shadowed of the absence that the tills will be a shadowed of the absence the tills of the tribble that annihits. Lecking flowersh the blossess, one are actived of the plant, in the billion consenaw a circle of deep blant, in the billion consenaw a circle of deep blant, in the billion of some are active of deep blant, in the billion of some are active of deep blant that the billion of some are active of the billion of the state of the billion of

with the activity of the electwork that kept the slanet in view.

As I watched, the little star scenned to grow arger and smaller, and to advance and receive, but twee simply because my eye was tired. Forly milNear it is the first, I remarkey, were three little points of light, these beloeving is start initiality remarks, and all around it was the undathenable dark; much, and all around it was the undathenable dark; the start is start in the sta

Thing that was to bring so much struggle and calimity had death to the earth. I cave drawnt of calimity had death to the earth. I cave drawnt of that sharring resions. That night, how there was another titling out of gas from the distant plant. I save it. A worklet that all the only the indignet rock middleth, and at that I tied Ogithey, and he took my place. The night was warn and I was thirty, and I wont, attending my keep classifily, and further my way to consider the warns and I was thirty, and I wont, attending my keep classifily and further my way to consider the warns of the my the consideration of the c

gas that came out towards us.
That right acrobbe deviatible miscile started on its
way to the earth from Marr. Just a second or se
way to the earth from Marr. Just a second or se
member how I cale on the table there in the blocknest, with patches of green and crimons swimming
hoften are year. I wished I had a light to make by,
little suspecting the smooting of the minute ploss
OgiPy window of till one, and then gave I ty, one
we lift the hatcers and walked over, to be house.
Down below in the dadrices were Ottershow and

the war full of operation that night about the conflicte of dars, and acteful at the valuer into a conflicte of dars, and acteful at the valuer into a conflicte of dars, and acteful at the failing in a heavy and a conflicte of the failing in a heavy and the property of the placet, or that the conflicte of the value of the conflicted in the value direction in the two and dars are direction in the two and the conflicted in the two of glosest planets. "The character against anything manife for dark at million to one," he said.

Hundred of observers more the fluors that night in the conflicted in the co

de de leight after, about middleit, and auth the hight after, and so for the nights, a fairne oed night. Whe the shots sessed after the testin no oe of earth has attrapted to explain. It ravy be the construction of the session of t

of the planet's atmosphere, and obscured its more familiar features.

Even the daily papers woke up to the disturbance at best, and popular notes appeared here, there and everywhere conserning the volumes upon Mars. The serio-comic periodical Puriok 1 rencomber, made many miles a second through the entity guil of violetity in wery direction over the beath and speed, bury by hour and day by day, neaver and second to no now almant increditive won-anarer. It seconds to no now almant increditive won-derful that, with that worlf fate hanging ever us, most could go about thair patty concerns as they.

The Thesic guide law known confrete wherein in

men could go about their patty conserve as they did. I remember here jublicate Markhum was at securing a new photograph of the planet for the fullutantial paper he edited in those days. People in these latter times searcely realize the abundance and enterprise of our induction-fleentury papers. For my own part, I was much occapied in starting to ridd the highest, and havy upon a series of papers.

discussing the probable developments of morel ideas as civilization progressed.

One night (the first missile than could scarcely have been 10,000,000 miles away) I want for a walk with mr wife. It was startistic, and I exalsined

with my wife. It was ideally the, and I explained the Signs of the Solicite to her, and pointed our the Signs of the Solicite to her, and pointed our towards which as many tokeopes rever pointed. If was an avera sight, Comine brane, a party of course statistics from Chestray or Indowerh passed as timestatistic from Chestray or Indowerh passed as timetors and principles of the second pointed and the local Point the called the second pointed and the road of a binning trains, rigging and remitting asthmed aiment into redsely by the distance. My green and yellow signal lights, hasqing in it is from

CHAPTER II

NIRN came the night of the first falling size. It was seen early in the meeting rushing over the same size of the meeting rushing over the same size. Hundreds must have seen it, so taken it for an ordinary falling star. Albit of taken, high it takes it for an ordinary falling star. Albit of the same seconds. Detailing our great state of the size of the

I was at here at that here and weiting in my study, and delong my French window flow to be taken, and delong my French window flow to the taken and the study of the taken and the study of the taken and the study. I was nothing of ft. Che this strangert of all Dhaga that even came to earth french culve middle at me had I would up as it passed. Some of these who was it because the study of the

had occu the shorting star, and who was persuaded that a meteorite lay somewhere on the common beinvest Marcol, Otterhaw and Woking, rose early with the idea of finding it. Find it he did, soon after dawn, and not far from the sand-pite. An accommon hole had been made by the impreed of the tion a transport of the plants of some contraction of the plants of th

current to him that it might be bellow. He remained standing at the clop of the pit that the thing had made for shelf, thating at its strange appearance, antalinde clottly at the amount share appearance, antalinde clottly at the amount share properties and the strange of the clottle of the

Then maddenly he noticed with a start that some of the gray dislates, the slay incuration that covcered the interiorite, was failing off the circuits edge of the end. If was dropping off in false and raining down upon the case. A large piece updealy come off and full with a charp poles this brought has beard into his month.

If the property of the contract of the contract and of the contract of the contract and of the contract

charlesed down into the pit class to the bulk on the thing was class? Left facional even them are the thing was class? Left facional even them but what disturbed that idea was the fact that the heart was class procedured the complete of the cylinder. And then he pixelwide that, very slowly, the cirle. The complete of the cylinder of the cylinder. And then he pixelwide that their must that had the was such a grandle movement that be donormed it only through scribing that a block must that had die of the circumstences. Even then is servely understood when this troduced, until he local was understood when this troduced, until he local was until a grantle good and was the him is servely understood when the troduced of the complete bins in a task. The cylinder was artifitle—blowow-which are of that accreased out 15 decoloring within

"Good heavens?" said Ogfivy. "There's a man in it—man in it? Half resuted to death! Trying to enappe?"

At case, with a quick mental loop, he linked the

At core, with a quick mental long, he linked the thing with a fash upon Mara.

THE thought of the confined creature was so dreadful to him that he forgot the heat, and went forward to the cylinder to help turn. But lookly the dell radiation arrested him before he could burn his hands on the still cleavate metal. At that he stood irrosolute for a moment, then

somewhere about air o'clock. He met a wassware told, and his appearance, were so wild-his hat had Horsell Bridge. The fellow thought he was a luzatic at large, and made on unvaccessful attempt to

"Henderson," he called, "you saw that shorting "Well?" said Henderson

"It's out on Horshell Common now." "Good Lord?" said Handerson. "Pallen meteorite! That's good. "But it's something more than a meteorite. It's

something inside. Henderson stood up with his speds in his hand "What's that?" he said. He is deaf in one car. Oelbey told kim all that he had seen. Henderson was a misute or so taking it in. Then be dropped his spade, anatched at his inclot, and come out into the read. The two men harried back at once to the carse position. But now the sounds isside had

cented, and a thin circle of bright metal showed was either entering or encaping at the rim with a They listened, rapped on the scale with a stick, Of course the two were quite unable to do any west off back to the town arain to get help. One

station at once, in order to telegraph the news to London. The newspaper articles had prepared

see the "dead men from Mars." That was the form paper hey, about a quarter to nize, when I went out shaw bridge to the sandults.

CHAPTER III On Horsell Common

FOUND a little record of perhaps twenty people surrounding the huge hole in which the crifoder lay. I have already described the amount. ance of that columnal bulk, imbedded in the award by a sudden coulosies. No doubt its impact had caused a flash of fire. Henderson and Onllys were breakfest at Henderson's house. There were four or the how sitting on the edge of the pit, with their feet dangling, and arraning

thereasless until I stonged them by thresring stones at the giant mass. After I had spoken to them about it, they began playing at "touch" in and Among those were a courie of cuelists, a jobbine

tomed to hang about the railway station. There ical ideas in these days. Most of them were staring quietly at the hig inble-like end of the cylinder, it. I feary the popular expectation of a been of bulk. Some went away while I was there, and

other people come. I slambered into the nit and It was only when I got thus close to it that the strangeness of this object was at all evident to me. then an overturned carriage or a tree blown nerosa the road. Not so much so, indeed. It looked like a in the world. It recuired a certain amount of scientific education to perceive that the gray scale of lid and the cylinder had an unfamiliar has, "Extraterrestrial" had no meaning for most of the on-At that time it was quite clear in my own mind

I judged it improbable that it contained any living greature. I thought the unscreening might be sutodifficulties in translation that might arise, whether Yet it was a little too large for assgrance on this idea. I felt an impatience to see it corned. About I found it difficult to got to work mon my abstract In the afternoon the appearance of the common had altered were much. The early selitions of the

beadines. "A MUSUAGE RECEIVED FROM MARS!" "REMARKABLE STORY PROF. WONTED."

and so forth. In addition, Orithrin wire to the Au-There were half a dozen cales or more from the Welling station standing in the road by the sand. pits, a basket chains from Chubbam and a rather lordly earriage. Besides that, there was quite a heap of bicycles. In addition, a large number of altogether quite a considerable crowd-one or two gaily dressed ladies among the others.

breath of wind, and the only shadow was that of the few contered nuc-trees. The burning heather and still giving off vertical streamers of smoke. An

Going to the edge of the pit, I found it occupied was giving directions in a clear, high-pitched voice.

evidently much cooler; his face was releason and A large portion of the cylinder had been uncovered, though its lower end was still embedded. As

serious impediment to their excavations, especially the boys. They wanted a light railing put un, and faint stirring was occasionally still audible within the case, but that the workmen had failed to unscrew the ton, as it affected no grip to them. The

case appeared to be exermensly thick, and it was

I was very gird to do as he asked, and so become by the six o'clock train from Waterloo; and as it

CHAPTER IV The Cylinder Unscrews

Washing. Sentered groups were sun-from the direction of Woking, and one or from the direction. The growd about the two persons were returning. The crowd about the perbans. There were a number of voicee raised, and some sort of struggle appeared to be going on

"Keep back! Keep back!"

"It's a movin'," he said to me as he passed-"sacressin' and a serrouin' out. I don't like it. I'm a-

should think, two or three hundred pomie sibowing "He's fallen in the pet!" cried someone. The crowd awayed a little, and I albowed my way through. Everyone seemed greatly excited. I heard

"Kran back!" said saversi.

I saw a young man, a abon assistant in Woking

to acramble out of the hole again. The crowd had The end of the cylinder was being ecrewed out incled. Somebody blundered against me, and I par-

screw. I turned, and as I did so the screw must the gravel with a ringing concussion. I stuck my allow into the person bekind me, and turned my head towards the Thing again. For a moment that circular cavity seamed perfectly black. I had the I think everyone expected to see a man oursers-

possibly something a little unlike us terrestrial men, but in all essentials a men. I know I did. But. looking, I presently saw comething stirring within enother, and then two luminous diers like even Then symething resembling a little suske, about the writhing middle, and wriggled in the air to-A sudden chill came over me. There was a loud shrick from a wurmen behind. I half turned, loon-

ing my eyes fixed open the cylinder etill, from which other tentacles were now projecting, and beour number over your back from the color of the pit. I saw astonishment giving place to horror on eral movement backward. I saw the shorman struggling still on the edge of the pit. I found myself alone, and saw the necole on the other side

of the pit running off, Stent among them. I looked again at the evilinder, and ungoversable terror gripped me. I stood petrified and staring, A big gravish, rounded bulk, the size, perhaps, of cylinder. As it bulged up and caught the light, it

efficienced like wet leather. Two large dark-colored eyes were regarding me steadfastly. It was rounded, and had, one might say, a face. There was a mouth under the eyes, the lipleas brim of which outvered and nanted, and dropped sellies, The body heaved and pulsated convulsively. A lank tentacular amondam primed the edge of the cylinder, another swayed in the sir.

Those who have naver seen a living Martian can

penrance. The peruliar V-shaped mouth with its shymne of a chin beneath, the wedge-like lower lip, -referented in an offset skin to name. Therefirst accounter, this first shurper, I was overcome

STREET, the mouster vanished It had SUDDENLY the meaner to the brim of the sylinder and fallen mass of leather. I heard it give a possilar thick turned and, running madly, made for the first

There, among some young pine-trees and furns bushes, I storged, penting, and waited further derelamments. The expression record the sand-rate was rather, at the heaped gravel at the ofge of the pit ror, I saw a round, block object bobbing up and down on the edge of the pit. It was the head of he seemed to slip back until only his head was functed a faint shrick had reached me. I had a

Everything was then quite invisible, hidden by road from Chabbers or Woking would have been that in short, excited abouts, and staring, staring per-beer stood, a queer devolict, black against the burning sky, and in the sand-pits was a row of

CHARSER W The Mant Paul PTRR the elimnas I had had of the Mortlans.

A FTRR the glimpse I had had on the shick they emerging from the cylinder in which they had come to the earth from their planet, a I did not dare to go beck toward the nit, but I felt a passionate brooks to near into it. I began mediately withdrawn, and afterwards a thin red Most of the impetators had suthered in one or

walking, therefore, in a big curve, seeking some

I did not know his name-and accosted." What note Amiles II he and Wood God I what

"Did you see a man in the pit?" I said; but he

commony. Then I shifted my position to a little The spread faded to turlight before anything further homested. The crossed for sever on the

now a faint nigroup from it. The little least of portis towards Chobbam dispersed. There was It was this, so much as anything, that gave people courage, and I suppose the new arrivals any rate, as the deak come on, a slow intermittent verse, alap, watch, and advance naulo, spreading

Then I saw some cultures and others had walked

by approaching them with nignals, that we, too, Flatter, Setter, went the flag, first to the right,

this attempt at experientiation. This little events circumfamore of the new almost complete circle lowed it at discreet distances. Suddenly there was a flash of light, and a quantity of laroisous greenish emoke came out of the jet at three distinct puffs, which drow up, one after the other, strainfs into the still air.

after the other, straight into the still air.

This anales (or flarre, perhape, would be the botter word for (t) was so bright that the deep blue sky overhead, and the hazy stretches of brown common towards (Serther, set with black pinetres, seemed to darken abruptly as these puffices.

areas, and to remain the darker after their disported. At the same time a faint bissing sound became sudfile.

BEYOND the pit stood the little wedge of people.

Be with the white fing at its spax, arrested by these phraumans, a little knot of small vertical black shapes upon the black ground. As the green smoke rose, their faces flashed out pulled groun, and faded again as it vanished.

Then slowly the blacker passed into a humming, fitte a leng, load, dreading noise. Slowly a humped shape rose out of the pit, and the ghost of a beam of light seemed to flicker out from it. Porthytin flashes of setual flame, a bright glare

leaping from one to another, sprang from the scattered group of men. It was as if some invisible jet intripaged upon them and flashed into white firme. It was as if each man were suddenly and momentarily turned to fire.

Then, by the light of their own destruction, I saw them obaggering and falling, and their supporters turning to run.

I stood starting, not as yet realizing that this was death leading from man to man in that little dietart crowd. All I felt was that it was some

defaut crowd. All I felt was that it was some thing strange. An almost noiseless and blinding flush of light, and a man fell headleng and his still, and as the unseen shaft of host passed over them, print-trees hurst into fire, and every dry furce-bush became with one dill flush a mass of flumes. And far away towards Knaphill I saw the flushes of trees and befere and wooden buildthe flushes of trees and befere and wooden build-

loss todorsky set allight.

It was prevenjeny round swirtly and standilly, filled familing dasht, this intribule, insertiable severel of the familing dasht, this intribule, insertiable severel or familiar dasht, between the transless of the sand strategied to stite. It haven the creakle of first and strategied to stite. It haven the readsht of the sand strategied to the sand stite was as if an invitable say it intensity heated direce man draw and all diene everying limb beyond the sand-stitute of the

and the taxes, sense-time object same about our of eight into the pit.

All this had happened with such swiftness that I had shoot motionless, dumfounded and dazzled by the fisches of light. Had that death swept through a full circle, it must inevitably have elain me in mrs surveine. But it nessed and spared me, and

was still a pilo, bright, almost greenish bins. The tens of the pice-frees and the roofs of Hereeld case out sharp and kook against the weekers aftertended to the pilot of the pilot of the pilot tensible, are fee that this must upen which their resultes mirror wolded. Pichoke of both and binded treas here and these smoked below the pilot treas here and these smoked stillness of the version gift. On the pilot with the pilot pilot pilot pilot pilot pilot stillness of the version gift. On the pilot with the pilot pilot pilot pilot pilot with the pilot pilot pilot pilot pilot with the pilot gift with the been seen out of cital

with the flag of white had been everyt out of existence, and the stillness of the evening, so it received to me, had exarrely here horken. It came to me that I was upon this dark commic, helpiese, unredected and alone. Suddenly

like a thing falling upon me from without came— Fear.

With an effort I turned and began a stumbling ran through the heather.

The first i lett was no rathornal fram set a pance terror, not only of the Martians, but of the dusk and stillness all about me. Such an extraordinary effect in unmaratur me it bud that I ram weeping silently as a child neight do. Once I had turned, I did not down to hook bud.

I did not dure to look back.

I remember I felt an extraordinary persuasion
In that I was being played with, that presently, when
I was upon the very warpe of safety, than mystericus death—as swift as the passage of light—would
leap after me from the pit about the cybinder, and

CHAPTER VI
The Heat-Ray in the Chebbarn Road
T is still a matter of worder how the Martiana

are able to sky men so worthly and so siterally. Many think that in now way, they are able to generate an intense hast in a chamber of readingly and proposed in a parallel bear against any object they proceed in a parallel bear against any object they choice by mostre of a positively nearest of a positively name of any object they make the parallel mirror of a infishibation polystic is beant of light mirror of a infishibation polystic in beant of light mirror of a infishibation polystic in beant of light have been also b

That night assety forty people lay under the statistical about the pit, charred and distored the toy and recognition, and sill night long the common from Hercell to Haybury was decerted, and brightly blane.

The news of the massacre probably reached Cababam, Woking, and Ottershaw about the rame

tragedy happened, and a number of people, shoppeople and as forth, strated by the stores stay bod beard, were walking over Horsal Bridge and along the road between the adapts that run out at last upon the corrors. You may imagine the young people branched up after the labors of the skay, and making this needity, as they would make any provile, the access few validing teapther and enjoying a trivial filtration. You may faure to vorself the harm of voices shows the road in the

As yet, of course, few people in Woking even lease that the cylinder had opened, though poer Henderson had sent a moscenger on a bicycle to the post-office with a openial wire to an evening

excitoity, and person, at the upinsing allows over, no duals, but analogate, and the sur-enterne were, no duals, ason infected by the excitoment of the consuler. By half past eight, when the Deputation was destroyed, there may have been a crowd of 100 people through their may have been a crowd of 100 people through their may have been a crowd of 100 people the read to approach the Marchian energy. There were three pullivarient, too, one of whiten was manufald, dring that less, qualer instructions from Black, to beyond the people tasks and inter lines from the corn on thoughtest and carriads would be from those more thoughtest and carriads would be

Send and Optiny, actificiting some postilicities. Send and obtained the internation form Horsell to be have also as the internation of the internation as see as the fluctuation compared for the halp of a compared of molliers to proviet these strange creatures from videose. After that they returned to lead that illificated advances. The description of their death, so it was seen by the crowd, tallier were closely with you can impressions! the three paths of green masks, the deep humaning sides, and the faches of fluxes.

But that crewed of paople had a fix marrows compact has miss. Cuby the fact that a harmonic compact has miss. Cuby the fact that a harmonic of hasthery axial interested the lower part of his proposed for the part of the fact that the proposed has been a few parels higher, more could have lived to tell the tabs. They now the could have lived to tell the tabs. They now the threat he cellificate, They with a wheeling note at it ween, that the tabs and is harmonic through the tellification of the cellification o

frames, and bringing down in crambling ruin a portion of the gable of the house nearest the coner. In the sudden thind, blue and plare of the igniting trees, the penic-stricken crowd seems to have owayed hesitatingly for some moments. Scarlin and herebox design beam to full into the

counts his engagement like parts of finne. Hate road, and single leaves like parts of finne. Hate and dresses aught fire. Then came a crying from the currons. There were shricks and shouts, and suddesly a mounted poleceman came galloging through the confusion with his hands chapped over his band, secretaring. "They're corriag!" a weassa shrinked, and incontinently energons was turnting and pushing at those behind, in order to dear that way to Waking again. They must have belief as bliefly as a facility as a strong again. They must have been as bliefly as a bliefly as a bliefly as a bliefly as a strong again. They must have been a bliefly as a bliefly as a strong and a facility of the strong or correct of the crowd jurnmed and a despined at struggle occurred. All that crowd did not accupie these presents at least, two women and a little law, were crusted and tramplet there.

CHAPTER VII How I Reached Home

R^{OR} my own part, I remember nothing of my flight except the strees of blundering against trees and stumbing through the heather. All about me gathered the invisible terrors of the Martina; that pittless award of nast assumed whirling to and fro, flourishing overhead before it descended and amete me out of life. I came into the road he-

this to the cross-result.

At list I sould go no further; I was exhainted with the violence of my exection and of my flight, and I staggered and fell by the wayside. That was near the bridge that crosses the canal by the gasworks. I fell and law still.

Works. I fell and lay still.

I must have remained there some time.

I sat up, strangely percissed. For a r

that is, in transport profitations, for it is the many than the contract profitation from the a surment. My but had gone, and my color had been the ment. My but had gone, and my color had been to the color of mental than the color of the colo

had there inter things indeed hugpered. I could not credit III.

I cots end well-ed unitedily up the steep indine of the bridge. My must was blank worder. My interest the steep of the bridge of the bridge strength. I dure say I staggered drusterly. A hand ross over the arch, and the figure of a wetmm carrying a hasket appeared. Bestde him ran a little by. He passed my, which gree good in a little by. He passed my, which gree good interest and the passed my stage of the passed in the stage of the passed my with a men and a new control of the passed my stage of the must little by. He passed my with a meaningies must little by. He passed my with a meaningies

not. I answered his greeting with a meaningines memble and send on over the bridge. Over the Maybury arch a train, a billowing termit of white, firelit smoke, and a long enterpillar of lighted windows, went flying acuth: elstter, ciotter, clap, rap, and it had gone. A dim group of geogle tailed in the rate of our set the

called Oriental Turrace. It was all so real and so familier. And that behind me! It was frantic, fantastic! Such things, I told movelf, could not

THE WAR OF THE WORLDS

do not know how far my experience is common. where inconceivably remote, out of time, out of

feeling was very strong upon me that night. Hore was another side to my dream.

two miles away. There was a poise of business

alight. I stopped at the group of people.

"What news from the common?" said I

There were two men and a woman at the gata. "Kh?" said one of the men, turning,

"What news from the common?" I said.

"Ain't ver just here there?" saked the mun. "People neen fair silly about the common," said

"Haven't you heard of the men from Mars?" said I. "The creatures from Mars!" "Quite coough," said the woman over the gate. "Thenks:" and all three of them laughed

could not tell them what I had soon. They laughed "You'll hear more yet," I said, and went on to

STARTLED my wife at the decreasy, so keeperd was I. I went into the dining-room, set down

myself sufficiently told her the things I had seen served, and remained neglected on the table while

"There is one thing," I cald to allay the fears I had around. "They are the most stuerish things, I ever new crawt. They may keep the pit and kill pecule who come near them, but they cannot got

out of it. . . . But the horror of them!" "Don't, dear!" said my wife, knitting her brown

"Poor Ogfby?" I said. "To think he may be My wife at least did not find my experience ingradible. When I saw how deadly white her face.

"They may come here," she said again and again. I pressed her to take wise, and tried to reassure "They can scarcely more," I said

all that Orilyy had told me of the impossibility of the Martians establishing themselves on the earth culty. On the surface of the earth the force of gravity is three times what it is on the surface of Mars. A Martison, therefore, would weigh three times more than on Mars, after his muscular

strength would be the same. His own body would be a cope of land to him, therefore. That indeed was the general opinion. Both the Fisce and the not make the separation an ultimatum to Germany

turns far more oxygen or far less notrogen (whichinvigorating influences of this excess of oxygen erbelance the increased weight of their bodies. that such mechanical intelligence as the Martian possessed was quite able to dispense with muscu-

But I did not consider these points at the time. of the invoders. With wine and food, the confi-

suring my wife, I gryw, by insensible degrees,

"They have done a foolish thing," said I, fingering my wineclass. "They are dangerous, because

no doubt they are mad with terror. Perhaps they telligent living things. A shell in the reit," said I

"If the worst comes to the worst, will kill them all." The intense excitement of the events had no doubt left my perceptive powers in a state of crethism. I remember that dispersiable with extracedingry vividuess even now. My dear wife's

class table furniture—for in those days even philosophical writers had many little luxuries—the note with a clearatte, regretting Guiley's reshress,

and denouncing the short-sighted timidity of the So some respectable dade in the Mageltius might have lorded it in his nest, and discussed the aranimal food. "We will neck them to death to-

I did not know it, but that was the last civilland

CHAPTER VIII Priday Night THE most extraordingry thing to my mind.

happened upon that Friday, was the dovetailing of the commungace habits of our nortal order with the first beginnings of the series of exercis that was to toursle that social order headlong. If on Priday night you had taken a pair of compasses and drawn a circle with a radius of five miles round the Woking sand-pits. I doubt it unless it was some relation of Stent or of the three or four cyclists or London people who has dead on the corumon, whose emetions or habits were not at all affected by the new-corners. Mass people had heard of the cylinder, of course, and

Dully Telegroph, for instance, insisted on it the In London that night pour Henderson's telegram

Within the five-rolle circle even the great mascribed the behaviour of the men and women to

eating, drinking, sleeping, went on as it had done for countless years- as though no planet Mara existed in the sky. Even at Woking Station and In Woking Junction, until a late bour, trains

on the sodings, passengers were alighting and wait erdinary way. A how from town, trenching or Smith's monopoly, was selling papers with the afternoon's news. The ringing and impact of trucks, the sharp wheatle of the engines from the junction, mangled with his shouts of "Men from nue o'clock, with incredible tidings, and caused no People rattling Londonwards peered into the darkness outside the carriage windows and naw only nothing more serious than a boath fire was hapthat are disturbance was percentible. There were half a doesn wilks burning on the Woking border,

awake till dawn A currous crowd limetred restlessly, people outing and oning but the ground remaining, both on the Chobbam and Horsell bridges. One or two advecturous souls, it was afterwards found, went into the darkness and crawled quots near the Martians, but they never returned, for new and senin

common was effect and desolate, and the charred all the pect day. A noise of hammering from the

O you have the state of things on Priday night. So you have the state or thought as der. But the poison was searcely working yet ing in places, and with a few dark, dimbreren

fringe the inflammation had not crept as yet. In as it had flowed for immemorial years. The favor All night long the Martistas were haramering

About eleven a company of soldiers came through mon to form a cordon. Lister a second company be missing. The Colonel of the regiment came to the Chobkem bridge, and was busy questioning the crowd at midnight. The military authorities ness. About eleven, the next merang's paper were able to say, a squadren of hussars, two

A few seconds after midnight the crowd in the

The Fighting Begins

ATURDAY lives to my memory as a day of suspense. It was a day of bassitude too, hot and closs, with I am told, a rapbile factusting harometer. I had slept but little, though my listering, but towards the common there was noth-

The militana came as usual. I heard the rettle and that guns were expected. Ther, a femiliar

"They aren't to be killed," said the milkman, "if I naw we neighbor gardening, chatted with him

was a most unexceptional morning. My naichbor capture or to destroy the Martians during the day "Te's a with their make themselves on treammonths." able," he said. "It would be curious to learn how

He same up to the ferre and extended a handful

"They say," said he, "that there's another of one's erough erroly. This loss and the recurrence

THE WAR OF THE WORLDS

"They will be hot under foot for days on account After breakfast, instead of working, I decided

to walk down towards the common. Under the pers, I think, men in small round caps, dirty red dark trousers, and boots coming to the calf. They ning. None of them had seen the Martiane, and they had but the varuest bless of them, so that they plied me with questions. They said that they of the Horse Guards. The ordinary samer is a

"Great up under cowe and rush 'em, say L" said one "Get abt?" sold another. "What's Cover against this 'ere 'eat? Sticks to cook yer! What we got "River yor transheat. You always want teansheat

rep cuebt to he' been born a rabbit. Sainty," abrurtly-a little, contemplative, dark man, smok-"Ortomoses," said ho, "that's what I calls 'ere.

Talk about fishers of men-fighters of fish it is "It ain't no murder killing beasts like that," said "Why not shell the darn things strike off and

"Where's your shalls?" said the first smaler. "There sin't no time. Do it in a rush, that's my

So they discussed it. After a while I left them But I will not weary the reader with a descripthing: the officers were regularious as well as been

At that I original my wife's arm, and without

GOT back to lauch about two, very tired, for, inaccurate description of the killing of Steet, Henderson. Ogilvy, and the others. But there was

I found people to the town quite secure again to

colliers had made the people on the antakirts of

little I didn't knew. The Martians did not show an inch of themselves. They seemed busy in their they were busy getting ready for a struggle. "Fresh atterents have been made to algued has the nature. A support fold me if was done by a man in a ditch with a flag on a long pole. The Martlana took as much notice of such advances I would confer the sight of all this amounted all this preparation, greatly excited me. My (mag-

vaders in a dozen striking ways; something of hards. It hardly seemed a fair fight to me at that time. They record your holdsten in this set of About three o'cleck there began the thud of a store. I learned that the amorthering pine wood

About six in the evening, as I sat at ten with my wife in the summer-bouse talking vigorously about the hattle that was lowering upon us, I

board a muffled detoration from the common and immediately after a gust of firing. Close on the heels of that came a violent, rattling crash, quite out upon the lawn, I saw the tops of the trees flume, and the tower of the little church beside it slide down into ruin. The pitrastle of the moanus

upon it. One of our chimners cracked as if a I and my wife atood arraned. Then I realized

that the crest of Maybury Hill must be within

434 AMAZING STORIES out the servant, telling her I would on unstains the smoke and noise, and snasking down the on-

myself for the box she was chimouring for.

"We can't possibly stay here," I said, and as I spoke the firing re-opened for a moment upon the common.

"But where are was to got!" said my wife in

"But where are we to go?" said my wife in terror.

I thought, perplexed. Then I remembered har counts at Leatherbook.

"Leatherhead!" I shouted above the sudden noise. She locked away from me downkill. The people were coming out of their houses autonibled. "How are we to get to Leatherhead?" she said. Down the hill I awa a bery of husears ride under the railway-bridge; three galloyed through this

Down the hill I saw a bery of hissans rids under the railway-bridge; three galloyed through the open gates of the Oriental College; two others dismounted, and began running from house to buses. The san, shining through the smeke that drove up from the tops of the from, secured blood-red, and threw an unfamiliar lurid hight upon severything.

"Stop here," said I; "yest are aste here," and i started off at ones for the Spatist Day, for I have the landied had a hires and depart. Far a few I provide that in a mount energy as upon this side of the hill would be moving. I found him hat hay allule natures of what was pain on behind his house. A num about with his back to \$2.7 must have a neurol." and the handlors, "containing the hand had been a second."

"I must have a pound," said the landlord, "and I've no one to drive it."
"I'll give you two," said I, over the stranger's shoulder,
"What for?"
"And I'll bring it book by midnight," I said.

"Level" and its institled, "waters the heavy? in stilling and his of agis. Two promise, and you bried it hast? What's going are now?" he hast? What's going are now? I have a second or covered the designat. At the time it has a seen is now asky so uppeat that the institute has a local case to be suffered to the second or the second of the second or the second of the second or the second or the second or the second or what have seen in second or the second or what had, and so forth. The head-time below or who, and so forth. The head-time below or who, and so forth. The head-time below or what, and so forth. The head-time below or which and the second or forth. The head-time below or which and the second or forth or the second or the second or forth or the distributed histories are senting or. He was a gifted from these to the second or the second

hease, warning people to have. He was going on an I came out of my front does, legather my trassures, done up in a table-deth. I shouted after him: "What news?"
"What news?"
"What news?"
"trawling out as a thing like a dich over," and ran on to the gain of the heave at the creek. A

"crawing out as a bing life n dish own;" and ran on to the gain of the buyes at the creat. A made in which of black marks driving across the road half him for a amount I run to my reight bod's does, and rapped to antary myself, what I already how, that she wife had green to London with him, and bad locked up their brane. I want in a spin assorting to any greening to get a green to the property of the property of the property of the property of the control of the distribution of the

posite slaye at Maybury Bill research Gil Wohing. In freci was quiet surry landscape, a wheat-field absact on either side of the road and the May-bury fan with law swinging sign. I saw the document of the read of the road and the May-bury fan with law swinging sign. I saw the read of the read

for away to the east and west—to the Rytest pineweeds enterward, and to Weising on the west. The road was dotted with people regarding towards us. And very failst now, but very distinct thereigh the bid, quite air, one hand the white of a machinegum that was preceded withing, and an international crathfully of films. Apparently, the Marriacas were therefore the enterprise of the magnet their particularly.

Let use on supert driver, and I had temodiately to turn my attention to the heave, When I foods in

I am not an expert driver, and I had immediately to turn my stemilen to the horne, When I looked bark again the second hill had hidden the hindmodes. I should the herene with the whig, and gave him a loose redu until Wolking and Send lay between us and that quivering turnuit. I overtook and passed the doctor between Woking and Send.

In the Storm

EATHERIHAD is about twelve miles from Mayaway IIII. The south of shy was in the first and the first

My wife was currically either throughout the order, and animal approximation with formbedings of the ord. I tabled to her reasoningly, pointing out to the order of the order

period.

ii For my own part, I had been feverishly excited
d all day. Something very life the war-fever, that
occasionally reas through a civilized community,
the community of the community of

servain's too, jagged it out, chapped it beside har death.

on the tail of the deposit, and then caught the It was nearly sleven when I started to return, reins and jumped up into the driver's seat beside. The night was unexpectedly durk; to me, walking my wife. In another meconat we were clear of out of the lighted reasons of my countrie house.

lowing another showed it to be in swift rolling maxement. It was an electer obvion-a recovery light, the red masses of the Orebanaco mear the

and this rephiematical phinet came not cheer and

And this thing I saw! How can I describe it? A measures triped, higher than many houses, stridies over the young pine trees, and amashing there aside in its cureer; a walking engine of glit-

articulate ropes of steel daugling from it, and the cluttering turnelt of its passage miggling with the riot of the thunder. A first, and it came out vividly, beeling over one way with two feet to the air, to vanish and reappear almost instantly

howled violently along the ground? That was the impression those instant flashes gave. But instead chinery on a tetrod stand Then suddenly the trees in the pine-wood ahead

of me were parted, as brittle reeds are rested by a man thrusting through there; they were strenged ms. And I was callening hard to reset 601. As the sight of the second measter my perve west

altegether. Not aterping to look again, I wronghod the horse's beed hard round to the right, and in another moment the dograpt had heeled over upon flung sidoways and fell heavily late a shallow need

I crawled and abmost bermediatable and enqualed my feet still in the water, under a clump of furse. The borse lay metionless this neck was broken. the black hells of the overtowned degrant, and the

Seen nearer, the thing was incredibly strange,

way. Marking it was with a ringing metallic race. princed a young pipotree) swinging and ratting short its strange hody. It wished its word on it went striding along, and the brown bond that aur-

mounted it moved to and for with the insultable main body was a house thing of white metal like a structic fisherman's bucket, and puffs of green smoke squirted out from the joints of the limbs as the property awart by me. And in an instant

So much I saw then, all vacualy for the fitcherfre of the lightwing in Minding high lights and As it passed it set up an availant Australian

the road intimately. My wife stood in the light or the occurs, and watched me until I jimped un into the doznart. Then abruntly she turned ing me good hap, I was a little depressed at first with the con-

tasion of my wife's fours, but very soon my thoughts reverted to the Martians. At that time the exempso's fighting. I did not know even the circumstances that had precipitated the conflict As I came through Ochbane (for that was the way

ploy, which, as I deep named great should up the aky. The driving clouds of the gathering thunder-Ripley Street was descried, and except for a lighted window or so the village showed not a at the corner of the road to Pyrford, where a knot

of people stood with their backs to me. They said knew of the things howevering bound the hill, nor do I know if the allent houses I ressed on my way were alconing accuraty, or described and empty, or night. From Ripley until I came through Pyrford I was in the valley of the Way, and the red glore

beyond Pyrford Church the place come tate view again, and the trees about me objected with the Church behind me, and then ealess the silbspette Even as I behald this a burid irmon elera lit

towards Additioners. I felt a tur at the reins. it were he a thread of green fire, suddenly lightmy left. It was the Third Falling Star! Class on its areastities, and blindingly violet by

seing storm, and the thunder burst like a rocket worked. The house took the bit heteroon his teeth

A maferate incline rose down towards the fool of Markery Hill and down this we cluttered. Once the lightning had began it want on in as rapid a succession of flathon on I have some some The thunder-claps, treading one on the heels of snether and with a strange crackling accommon ment tric machine than the usual defonation recorders. fusing, and a thin hall amote cutilly at my face as I drove down the alerenew beginning, and as it came and wort, their thind falson. It stopped over bits gingerly and pushed on up agrees given mixing and hen mixed as pays in the lightning, the lift. It makes my way by the public action and the might assumed that my profit eventual to the collection of t

For some minutes I lay there in the rain and

darkness watching, by the intermittent light, these

distance over the hedge-tops. A thin hall was

from Maro

position, or think at all about my imminent peril.

Not the from me as a little assessment of the state of th

drecoed; his head was bent under his solly, and he lay crumpled up slees by the fence, as though he had been flung violently against it. Owncoming the repagnance ratural to one who had never before touched a dead body. I absceed had never before touched a dead body. I absceed

culte dead. Appearently his neck had been broken,

The lightning flashed for a third time, and his

greater and of the way, overeded in greating, ing recalls: monitors, and of the dead help undersered by these monitors on mathiots, latio the plan-wood towards Maybury.

Under cover of this i purphed on, well and aftivening new, towards are own large. I walked assent long new, towards are own long. It walked assent the trees treging in 6 and the fortigats. It was very CHAPTER XI

the trees traying to find the footpath. It was very dark indeed in the wood, for the lightning was new becoming infrequent, and the half, which was new becoming infrequent, and the half, which was pouring from in a terent, full in actions through the gaps in the heavy fellage.

HAVE and always that my thorms of emotion of the light in the heavy fellage.

At the call first discovered that I was cold and the After a time I discovered that I was cold and

It I had fully resident the meaning of all the ... After a time I discovered that I was cold and the themse I had not not in the size when the size we had with thit pools of water releast me conditions and so generated to reject on which at weath into the distinguence and strats know whistly about the size was the size of the size was the size of the size was the size of the

prevented no, for I was Evalued, wear, wet to the skink deadened and billuded by the storm one.

I had a vague like of gaing to my own bosse, and that was an mon-brille and I had. I stagement through the trees, full into a ditth and arriado through the trees, full into a ditth and arriado representation of the storm of the storm of the storm of the procure was desk, and, by contrast with the procure was desk, and, by contrast with the storm of the storm of the storm of the storm of the procure was desk, and, by contrast with the storm of the sto

into the bare that ran fown from the Gelige Arms.

I suppose from I away placed, for the detern water was userping the said down the hill in a madry larrest. There in the darkness a man blundered into me and seat me recting back.

He ways a err of terror, rectars iddessay, and the common about the randeptly was withing the common about the randeptly was withing.

to speak to him. So heavy was the strees of the
storm just at this place that I had the bardest
take towin my way up the hill. I want closu ye
to the fearm on the laft and worked my way along
its nallnes.

To pullings.

Near the top I stumbing upon something soft, with the gests of the dying steem, and throwing make the dying steem. Every each to stake the dying steem. Every each to a fisch of lighting, saw between my feet now and then a hase of cambo from some power.

a house desired minimized and severely of boths.

The desired better the minimized of the severely of the seve

that he was a stordy man, cheaply but not shabbilly

the window. As I did no, the view opened out until, on the one hand, it reached to the bouses about Woking Station, and on the other to the charred and blackened pine-woods of Byffeet

There was a light down below the hill, on the rail. the Maybury road and the streets near the station were glowing rains. The light upon the railway rupoled me at first; there was a black been and a

vivid glars, and to the right of that a row of yellow chlones. Then I perceived this was a wrecked Between these three main centres of light, the

spectocle, that black expense set with fire. It reminded me, more than anything else, of the Pot teries oven at night. People at first I could dis-Later I naw against the light of Woking Station

other across the line.

And this was the little world in which I had been living securely for years, this flory chaos! did not know, nor did I know, though I was beto the window, not down, and stored at the black ened country, and particularly at the three gigantic black things that were going to and fro in the

They seemed amazingly busy. I began to sake myself what they could be. Were they intelligent mechanisms? Such a thing I felt was impossible using, much as a man's brain sits and rules in his body? I began to compare the things to become

The storm had left the sky clear, and own the smoke of the burning land the little feding plupoint of Mars was dropping into the west, when

the soldier come into my garden. I heard a slight acraning of the fence, and rossing myself from the lethersy that had fallen upon me, I looked down and saw him dimly, clambering over the nallors. At the sight of another human being my

"Hist!" asid I in a whisper

He atoroed astride of the feace in doubt. Then the house. He bent down and stepped softly "Whe's there?" he said, also whispering, standing under the window and peering up.

self lying among a best of charred dead men and "I lay still," he said, "seared out of my wits with the formemerter of a horse aton of ms. We'd been wired out. And the smell-good God! Like hard reed! I was burt armen the back by the fall of the borse, and there I had to lie until I felt

fore-then stumble, beng, swish! "Wired out!" he said.

became the first of the fighting machines I had seen. The grm be drove had been unlimbered near Horsell, in order to command the sand pits, and Its corrigal had precipitated the action. As the limber gunners went to the rear, his horse trod in a rabbit-hole and come down, throwing him into a deprecation of the ground. At the same moment

of my own recent despair, stood beside him won-It was a long time before he could steady his nerves to seawer my questions, and then he an swered perplexingly and brokenly. He was a driver in the artiflery, and had only come into action sheet seem. At that time firing was oring on across the common, and it was said the first party of Mortions were granting slowly towards their

"Take some whisky," I said, pouring out a stiff He drank it. Then shraptly he sat down before the table, not his head on his arms, and began to of amotion, while L with a curious forgetfulness

out-simply wiped us out," he repeated again and He followed me, simost mechanically, into the

I went down, unfastened the door and let him in. and locked the door nowin. I could not see his face. He was batters, and his cost was unbuttoned "MY Ged!" he said as I drew him in.

"What hosn't?" In the obscurity I could see

THE WAR OF THE WORLDS "That's it." "Come into the house," I said.

be made a costure of despair. "They wised an

- He had hidden behind the dead home for a long
- time, peculag out furtively across the common. The
- Configur men had tried a rush, in skirmishing
- order, at the nit, simply to be awent out of exist-
- ence. Then the mouster had risen to its feet, and

ready a blackened skeleton was burning. The hus

- had begun to walk lelearely to and fro across the
- like heed turning about exactly like the head of a
- complicated metallic case, about which green finabes scintillated, and out of the furnal of this there In a few minutes there was, so far as the soldier could see, not a living thing left upon the common, and every bush and tree upon it that was not al-

ears had been on the road beyond the curvature of cost, three of the metallic clouts stood about the

heard the Maxims rattle for a time, and then become still. The glout sained Welcher Station and its cluster of houses until last; then in a moment became a heap of flery rules. Then the thing shut artilleryman, began to waddle away towards the

cylinder. As it did so, a second slittering Titus built itself up out of the pit The second monster followed the fast and at by avenue the but heather sub townsule Horsell. He managed to get alive into the ditch along by the side of the road, and so escaped to Woking. There his story became eleculatory. The place was imthere, frantic for the most part, and many burnt

and scalded. He was turned saids by the fire, and saw this one pursue a man, catch him up in one the truck of a pine-tree. At last, after elebifult. the artiflerymus made a resh for it and got over

Since then be had been skulking along towards Maybury, in the hore of getting out of danger Londonward. People were hiding in trenches and cellars, and many of the survivors had made off towards Weking Village and Send. He had been consumed with thirst until be found one of the the water bubbling out like a spring upon the

That was the story I got from him bit by hit. He grew calmer telling me and trying to make me nee the things he had seen. He had eaten no food because it into the more. We lit up large, for four hands would touch upon broad or meat. As he talked, things shout us same darkly out of the darkthat a member of men or animals had rushed across

WHEN we had finished eating we went coftly unstairs to my study, and I looked again out of the open window. In one night the valler had become a valler of asher. The first had dwindled now. Where flames had been there were now streamers of smoke; but the countless ruins of ened trees that the night had hidden stood out now care-a white railway signal here, the end of a greenhouse there, white and fresh amidst the wreckings. Never before in the history of warfare had destruction been so indiscriminate and as are

barrand, on no doubt mine was also.

and ever and again ruffs of vivid cross varon -streamed up, whirled, broke, and vanished, Berond were the rillars of fire short Chabbarn They became pillare of bloodshot amola at the first

What I Saw of the Destruction of Weshridge

A 8 the dawn grew brighter we withfrew our-selves from the window from which we had watched the Martiana, and went very guietly S the dawn grew brighter we withdrew our-

The srilleryman agreed with me that the house was no place to stay in. He proposed, he said, to battery-No. 12, of the Horse Artiflery. My plan go with her out of the country forthwith. For I already powerland electly that the country about

Between us and Leatherhead, however, law the third cylinder, with its guarding glants. Had I hean alone, I think I should have taken my chance and struck norms country. But the autiliaryman discended wer: "It's no kindness to the right seed

of wife," he said, "to make her a widow"; and in the end I agreed to go with him, under cover of the tour by Epsom to reach Leatherhead I should have started at once, but my communion

that. He made me ransock the house for a fook, which he filed with whicky; and we lined every as quickly as we could down the ill-mode road by which I had come overnight. The houses seemed the laws. I began to see his face, blacksped and hodies close together, struck dead by the Heat Ray and here and there were things that the people had dropped-a clock, a alleger, a silver speed, and the like roor valuables. At the corner territor on to-

seconds the most office a little sent diled with house and familiars, and horseless, healed over on a broken wheel A cash-box had been hastily amounted Except the lodge at the Orphanage, which was still on fire, none of the houses had suffered very

greatly here. The Heat Bay had should the chice. not saure to be a living road on Manhory Bill. The majority of the inhabitants had escaped, I suppose, by may of the Old Woking road-the road I had taken when I drove to Leatherhead-or they had We went down the lane, by the body of the man in black, sodden new from the oversight half, and broke into the woods at the foot of the hill. We pushed through these covards the railway, without

broke into the weeds at the foot of the hill. We pushed through these towards the railway, without meeting a seal. The weeds across the line were but the scarred and blockened rains of woods; for the main part the trees had fallow, but a certain prepartion still stood, dismal gray stems, with dark-

brown foliage lasted of green,
On our side the fire had draw no more than search
the meaner irway; it had failed to secure its footing,
In one place the weedness had been at work on Saturfor; treen, failed and frestly triumed, hay in a
clearing, with harps of sewdiest, by the saving machies and its engine. Hard by was a temporary but,
described, there was not a breath of when
the said its engine.

morraing, and over-thing was strangely stiff. Breen the birds were hashed, and as we Surried along, I end the artiflexyman talked in whispers, and looked new and again over our shoulders. Date or twice we stopped to listers.

After a time we draw near the road, and as we did so we heard the datter of hosts, and any through so we heard the datter of hosts, and any through

towerds Working. We halfed them, and they halfed while we harried towards them. It was a fleutener and a couple of privates of the 8th Hussara, with a stand like a theodite, which the artiflectman telne was a helicaragh.

"You are the first men I've seen coming this way this coming," said the Bestemant. "What's brow-

I.T is voice and face were eager. The mon behind in stared curiously. The artiflerymen jumped drwn the bank into the road and salution. "Our destroyed but night, sir, Have been billing.

"Gus destroyed last night, sir. Have been hiding.
Trying to relofa battery, sir. You'll come in sight
of the Martines, I expect, about half a mile sleeg
this road."
"What the diclores are they like?" saked the lice.

"Olaris is armer, sir. Hundred feet high. Three legs and a body like Tuminium, with a mighty great

head in a hoof, sir."
"Get out!" said the Heutenant. "What confounded nonneme!"
"You'll see, sir. They carry a kind of box, sir,

"No, sir," and the artillerymum began a vivid secount of the Heat.Ray. Halfway through the lieutenant interrupted him and looked up at me. I was

still standing on the heat by the side of the road. "Did you see it?" and the hustmann!.
"The perfectly tree," I said.
"We'll," and the Houtemant, "I suppose it's my hustman to see it too. Look here!"—to the artiflety-man—"we'll establid here charring people out their houses. You'd better go shong and report yourself to Brigoffer-General Maryin, and tell him all

you know. He's at Workshipe, Know the way ?"
"I do," I said; and he turned his horse northwn again.
"Half a mile, you say ?" said he.

tops southwards. He thanked me and rede on, and we saw them no more. Further shang we came upon a group of three woman and two children in the road, busy cleaning out a laberer's cettings. They had got bold of a little hand-truck and were nilling it un with un-

THE WAR OF THE WORLDS

were all too assiduously engaged to talk to us as we passed.

By Byttest Station we emerged from the piratrees, and found the country calm and peaceful inder the meming similght. We were far beyond the range of the Heat-Ray there, and had it not been

stirring movement of yacking in others, and the knot of seldiers standing on the bridge over the ratiosy and starting lower the line towards Welking, the day would have seemed very like any other Sunday.

Several farm wagons and carts were moving overally along the road to Additionary and suddenly

through the gate of a field we saw, across a stretch different the gate of a field we saw, across a stretch of flat meadow, six twelve-pounders standing results at equal distances and pointing toward Weising The gurners stood by the guns waiting, and the amountion wagens were at a business-like dis-

"That's good" said I. "They will get one fair that, at any rate."

The artifleryman healtated at the gate.

"I shall go co," he said.
Further on towards Weybridge, just over the
bridge, there were a number of men in white fatigue

jackets throwing up a long rampari, and more guns behind "It's howe and arrows against the lightning, anylow," said the artiflesyman, "They 'aven't seen that

The efficies who were not actively engaged stood and stared over the tree-teps muth-westward, and

and stared over the tree-term south-westward, and the man digging would atop every new and again to stare in the same direction.

Birtect was in a tunnel, people packing, and a

Riyhel was in a tumifi, people packing, and a core of husers, some of them dissusuated, scene on breshods, were brother them about. Three or four Made Sourment wagens, with crosses in white dreins, and an old emilbus, more other wefeters, were being only to the best of the relations. While the property of the contraction of th

now one abrive lied old fellow with a huge box and a score or more of flower-pots containing exhibit, angettly exponentiating with the corperal who would have them behind. I stopped and gripped his area. "Do you know what's over there?" I said, point-

"Do you know what's over there?" I said, pointing at the pine-tops that hid the Martians.
"Eh?" said his, turning. "I was explainin' these

is valigion."

"Double" I shouted, "Double is coming! Double"
and, heaving him to dignot that if he could, I harried on after the scrilleryman. At this corner I
bothed back. The seldler had left him, and he was
eatil stretching he his how with the mate of archite.

AMAZING STORIES

NO one in Weyterdage count out on the headquarters were catabilitied; the whole place was in such confusion as I had never one in my tawn before. Carfs, carrispes everywhere, the myst astenishme miscellary of conveyances and homeomic fields. The reoperable inhaltants of the place, men in golf and beating contemns, wives prettilt dressed, were parking, riverside before energetically help-

fiesh. The respectiable inhabitants of the phase, mee in golf and beating costumes, wives pretity dressed, were parking, riverside leafers encepatically beling, children certical, and, for the most part, highly delighted at this asterditung variation of their Suday experiences. In the most of it all the worthy visur was very placifly habling an early collaboration and his ball was imediate sat show the socialtion and his ball was imediate as of the social-

I and the strillierymen, sented on the step of the drinking-foundsity, made a very possible recal upon what we are brought with nr. Petrels of stelliers—here no longer hussans, but greenders in white-sees usuaring people to move one or to this relies of the stelliers of the ste

rallway-station, and the asseming platform was piled with house and packages. The ordinary traffor had been stopped, I believe, in order to allow the passage of troops and guas to Chartsey, and I have heard since that a sowage strappin convert for places in the special trades that were put on at

WE remained at Weyleridge until mid-day, and at that hour we found cornelves at the place

At their sairy we faint surmoves at the pass sour Experton Lock where the Wey and Theses oin. Part of the time we spent helping two old somen to pack a little care. The Wey had a trick seeth, and at this point batis are to be larely, and here was a ferry series the river. On the Bouper of the series were the river. On the Bouphit the series of Bouper with the series of the head of the series of Bouper the trick the better than a series were to be the trick the best new temporal by a series were to be the series of the series.

Here we found an excited and acidy crowd of faithins. As yet the flight had not grown to a paid, but there were already for more poole than all the boots gaing to and for could enable to erees. People came purifies items under heavy lunders; no hashed and wife were even earrying a tenal of the country of the country of the country of the household groots glind thereon. One man told us he meant to by to get away from Skeperton Stabuserhold groots glind thereon.

There was a lot of abouting, and one man was own jesting. The idea people seemed to have here was that the Maritians were simply foreighable brmen beings, who might attack and sack the town, to be certainly destreyed in the and. Every new and then people would plance normally across the Way, of the meanthment of the complete of the con-

over there was still.

Across the Thames, except just where the boats isnited, everything was quiet, in vivid contrast with the Surrey side. The people who larded there from

the both went tramping off down the lane. The big ferry-beat had just made a journey. Three or four soldiers stood on the laws of the lim, staring and jesting at the fugitives, without offering to help. The lim was (cloud as it was now within "What's that!" cried a beatman, and "Shat up, you fool!" said a man near me to a yelping dog. Then the sound came again, this time from the direction of Chertsey, a mulied that—the sound of a

The fighting was beginning. Almost immediately unseen batterns across the river to our right, unseen because of the treas, took up the cherce, fring heavily one after the other. A women screened, Every one stood arrested by the sudden site of batte, near us and yet invisited to us. Nothing was to be one save flat mendows, coes feeding unonscreedly for the most part, and alleary polland wilserredly for the most part, and alleary polland wil-

"The soders "Il stop 'em," said a woman beside no deubtfully. A haziness rose over the tree tops. The sodernly we saw a rath of snoke far away up the river, a pull of smoke that ferked up into the air, and hang, and feetbwith the ground heaved under feet and a heavy emploion should the six

and leaving an autonished.

"Here they are "a should a man in a blue jersey.

"Yonder! Diver see them? Yonder!"

Quickly, one after the other, one, two, three, four
of the semored Martinas appeared, for away over
the little trees, across the flat meadows that stretch
towards. Therefore and striding hurselille troogates.

the river. Little crowded figures they seemed at first, roise with a relling motion and as fast as flying brids.

Then, advanting obliquely towards us, came a fifth. Their armored beeing gittered in the sas, as they went swiftly forward upon the guns, grow-

ing regular larger as they drow nearer. One on the extreme left, the remotent, that in, invariant a large case high in the sir, and the priority territe Heat-Ray I shad already seen on Friday night most to wards Chertacy, and struck the town. At right of these strange, swift, and terrible creatures, the orwand along by the water's older seamed

to me to be for a morent horres-strack. There was no economics or shouting, but a silence. Then a hoarse murraur and a movement of feet—a splashing from the water. A man, to or frightness to be upon the proteomics he carried on his shoulder, aware the carried on the shoulder, aware the carried on the shoulder, aware the carried of the burdes. A westen threat at me, with her hand and rathed post me. I turned, to, which her hand the prophe that two met to terrificate of the shoulder. The terrification of the carried of the people, but I we met to terrificate the shoulder of the shoulde

I faced about again, and rushed towards the apd proaching Martinus—rushed right down the gravofly bench and basiltone into the water. Others did gt the same. A bestless of people putting back came beaping out as I rushed post. The stores under my

ary the same. A boutload of people putting back come beaping out as I rushed past. The stenes under my state feet were modify and slippary, and the river was come to low that I rusa perhaps twenty feet scarcely water deep. Then as the Martin towered overhead, as according according to the model was a three properties.

or myself forward under the surface. The splanhes of ing the people in the boots leaping into the river sound

od like thunderclaps in my ears. People were landing hastily on both sides of the river. But the Martina machine took no more notice for the moment of the neonle rouning this way and that against which his fact was kicked. When, half sufhood notated at the hatteries that were still firing

I N another recenent it was on the bank, and its a stride wedling half-way across. The knees of its right heak, had been hidden behind the outsidirts of that village, fired simultaneously. The audder nor heart Jump. The mouster was already raising

the case generating the Hest-Ray, so the first shell I gave a cry of astonishment. I saw and thought attention was riveted upon the nearer incident. Si-

I have described about from the people in the

ance by a miracle, and no longer heeding its steps. rigidly upheld, it reeled swiftly upon Showerson the frenant of a betterless ram might have done.

swerved aside, blundered on, and collapsed with a tremendens frepart into the river out of my sight. water, steam word, and shottered metal, that for un into the sky. As the camera of the Heat-Ray his ates in the smaller moment a horse wave like a

For the request I headed not bine of the heat, farthrough the turnelluses mater machine soids a rese

the confusion of the waves. The fellen Marting Thick clouds of steam were pouring off the wreck-

are, and through the turnituresty whiches when was as if some wounded thing struggled for life amidst the waves. Enermous quantities of a ruddy brown fluid were sourting up in noisy lets out of

My attention was directed from this sight by a furious reling, like that of the thing called a siren in our manufacturing towns. A man knee-leen neinted. Looking back, I saw the other Martians

advancing with gigantic strides down the river-beak from the direction of Chartsey. The Shapperton At that I durked at once under water, and, hold-

dared poinfully along under the surface as long as I

rapidly growing botter. When for a stement I refred my head to take breath, and throw the hair and water from my even. at first had the Martians altogether. The noise was deafaning. Then I new them dissip, eclosed flowers

tuous rules of their consende The third and fourth should beside him in the water, one perhaps 200 yards from me, the other

towards Laisham. The penerotors of the Heat-Rays The air was full of sound, a deafening and con-

trees, fences, shods, finshing into flares, and the Weybridge, its impact was rearised by flashes of its. dance of larid former. The peacer because still atoud intact, awaiting their fate, shadowy, faint and pallid in the stream, with the fire behind them coing to

For a moment, perhaps, I stood there, breast-high in the abnost belling water dumfounded at my past. tion, hopeless of escape. Through the reck I could see the secole who had been with me is the river perarchling out of the water through the reads like veste of a men, or rusping to end for in other dis-

Then suddenly the white fighes of the Heat-Ray eafne leaping towards me. The houses caved in an they dissolved at its touch, and darted out flames;

Who you this way and that and arms down to the water's odge not fifty wards from where I stood. It swept across the river to Shepperton, and the water steam, I turned shoreward.

In apother moment the large wave, well-nigh at the bolling-point, had rushed upon ms. I acreained aloud, and stalled, half blinded, agonized, I stag-

alord, and realists, half blinded, agonized, I staggared through the leaping, binating water towards the share. Had my feet stambied it would have been the end. I fell bulgleady, in full sight of the Martians, upon the broad, hare gravelly spit that runs down to mark the angle of the Woy and

Martians, upon the broad, have growelly soil that runs down to mark the ample of the Way and Tharms. I expected socking int death. I have a tim remorp of the foot of a Martian corning down within a scere of yards of my base, driving straight into the foot grave, whothing it this way and that, and lifting again; of a long soncerns and the or of the force arrange to define

their courads between thom, now clear, and then presently faint, through a veil of emoke, receding interminally, as it seemed to me, scross a vast opace of river and meadow. And then, very alswiy, I realized that by a mirned I had assoped.

> CHAPTER XIII In Lordon

How I Fell In with the Curate

A of streetical seagons, the Marthau retreatced to their engined positive use. Hereal Genton, and in their hasts, and accomboned with doubt overfood many such a stray and unscerasary victim as myself. Hot bay left their commod, the street of their commod street, and their street of their commod street, and their commod time between them, and London but that their of their research their street of their commod street, and advent would have been as the satisficials that districtly distinct a contage ago.

liner in the interrelatority flight; any sweet, both misses the mericeration, and measures for the measures of the assignation specific the state of the state of

It would seem these giants agent the earlier part of the afternoon in going to and free, transferring everything from the second and taird cylinders the azona in Addisance Goff Links, and the third at Pyrford—to their original gift upon Harsel Common. Over that, above the blackened heather and raired halfiling that stretched far and wide, steed

towering pillur of drass green annels that row thereform could be seen from the hills about Merrow, and even, it is said, from Banctead and Epsen Dawra. And while the Martinus behind me were thus praparing for their next saley, and in frend of me binparing for their next saley, and in frend of me binment of the sale of the sale of the sale of the sale with bifuffic pains and labor, from the fire and aroble of burning Weylvidge beaused London.

one as contined, while the rest abundaned their vari

menting distinction for the fact is much at wear and an extension of burning Weyl-ridge treasured. Lordon.

I now an administration of the fact is greater and and remote a fact in the fact is greater and and remote a fact in the fact is greater in the fact i

should these guists return. This his water from the Martine's overthrow This his water from the Martine's overthrow This his water from the Control of the C

all has of the binded was marching studied green as The a line that of the depth of the binder and the second property of the second property of the second property of the binder of the second property of the second property of the binder of the second property of the second property of the binder of the second property of the second property of the second property of the second property of the second transport of the second property of the second property of the transport of the second property of the second property of the transport of the second property of the second property of the transport of the second property of the second property of the transport of the second property of the second property of the transport of the second property of the second

I curate, so that I probably doted. I became aware of him as a cented figure in socianusized shirtsieves, and with bis uptured clean-shaven face staring at a faint filebring that danced over the sky. The sky was what is called a mackered sky, rows and reap of faint down plures or cloud, last

tinted with the midrommer spract

I sat up, and at the rustle of my motion he looked at me quickly.
"Have you any water?" I naked abruptly.
He shock his head.
"You have been asking for water for the last hear," he said.

heur." In said,
Yor a moment we were silent, taking shock of one
another. I dure say he found me a strange excupidigure, naked saw for my water-coasted trousers and
notes, realised, and my face and shoulders blankmed from the smalls. His face was fafer weakness, his
chin pateranted, and his hair lay in criep, almost
flassen cutts on his low foreband; his eyes were
flassen cutts on his low foreband; his eyes were

chin retreated, and his harr lay in oring, abnest flacen curis on his low forehead; his eyes were rather large, pale bins, and blankly staring. He spake abruptly, losking wountly away from me. "What does it mean?" he said, "What do these things mean?"

I startd at him and made no answer. He extended a thin white hand and spake in alment a complaining term.

"Why are these things permitted? What sinshave we done? The meaning service was over, I was walking through the reads to clear my brain for the offernoon, and then—for a sathranke.

for the afternoon, and then—fire, santhquake, death! As if it were Sedom and Gercorrain! All our work makens, all the work... What are these Martinas?" "What are we?" I answered, clearing my threat.

again. For half a minute, purhope, he stared atleastly.
"I was walking through the roads to clear my brains," he said. "And making three sarthumbs.

death? He released into silenes, with his chin now surken simost to his knees.

"All the work—all the Sunday-schools. What have we done—what has Weybridge done? Everything gon--everything destroyed. The church We reduct it only three years ago. Gone—every ext of existence! We V.

Another pease, and he broke cut again like one dimercied.

"The sensite of her burning gooth up for ever and ever?" he abouted.

Ille eyes diraned, and he pointed a lean finger in the direction of Weybridge.

By this time i was beginning to take his measure.

valved—(i was evident he was a fugitive from Wayhridge—bad deriven him to the very verge of his reason. "Are we far from Sanbury!" I sold in a matter of fact ten.

of-fact tene.
"What are we to do?" he saked. "Are these creatures everywhere? Has the earth been given over to them?"
"Are we for from Sunhere?".

"Only this merning I, officiated at early calchestion. . ."
"Things have changed," I said quistly. "You must keep your head. There is still keep."

"Hope?"
"Yes; plentiful hope—for all this destruction?"
I began to explain my view of our position. He

eyes changed to their fertner stare, and his regard wandered from me.

"This must be the beginning of the end," he sad, interrupting ms. "The end! The great and berible day of the Lord! When men shall call upon the mountains and the rocks to full upon them and hids beam—had them from the face of Him that

sitteth upon the threat."

I began to understand the position. I ceased my labored reasening, struggled to my feet, and, standing over him, hald my hand on his aboution. "Be a man," and it. "You are seared out of your wits. What good is religious if it collapses at calars. By Think of what earthcades and feeds, warm life." Think of what earthcades and feeds, warm

and velocance, have done before to men. Did you think God had exempted Weyleridge? . . He is not an insurance agent, men."

For a time he set in bleak silence.

"But have can we occupe?" he seked suddenly.

"These we inventorable the set wither.

"They are invaluerable, they are piblices..." Neither the one nor, perhaps, the other," I carevered. "And the neighbor they are, the nore save and warr should we be. One of them was hilled yooker not three hours age." "Kitted?" he said, starring about him. "How our Goff antinisters he belief."

"Row it happen," I proceeded to tell him. "We have can consider the thick of it," said I, "and that is all."

"What is that flicker in the sky?" he asked abrupily. I told him if was the heliograph signalling—that it was the sign of human help and effect in the sky. "We are in the midst of it," I misk, "quiet as it is. That flicker is the sky talk of the guthering storm, Yessier, I tale it, are the Martinov, and Lordon-

Ringston, and the trees give cover, carthworks are bodist thrown up and gens are being lidd. Presorly the Martinas will be coming this way again." And even as I apole, he sprang to his feet and

And even as I spous, he opening to his fact and stopped me by a greature. "Listen?" he said. . . . Prove heavaid the law halls agrees the water cause

the dull resonance of distinct goes and a remote, which crying. Then everything was still. A cockchaffer cases drouling over the hedge and past us. High in the west the creacest moon bum faint and pair, always the suncke of Worlzbidgs and Shappurton and the het still sphender of the samest. "We high blatter fellow this math." I said. "north.

CHAPTER XIV

My Y younge brether was in Lorsing when the Markins ful at Weing, He was a male cal stalart, working for an irradiant excitation, and he had perfectly a surface of the pinner Mars, on life in the pinner, and so forth, a lariest and varpath-worded teleprane, all the more striking for its kervity.

The Martines alarmed to the surrocate of a

owned had killed a number of people with a quick-

firly our so the story ran. The felegrow concitied with the words: "Formidable as they seem into which they have fallen, and, indeed, seem incanable of doing so. Probably this is due to the

erey." On that last text the leader-writers expanded very comfortingly. Of course, all the students in the grammer's hisk-

unusual excitement in the streets. The afternoon parson buffed screen of page under his bendlings. pine-woods between Woking and Weybridge, until eight. Then the St. James's Gazette, in an extra terruption of telegraphic communication. This was

was known that night, the night of my drive to My brother felt no anxiety about us, as he know was a good two miles from my house. He made up

he says, to see the things before they were killed. about four c'clock, and spent the evening at a music-

In London, also, on Saturday night there was a thenderstorm and my brother reached Waterlan In a cab. On the platform from which the midnight train usually starts he learnt, after some waiting, that an accident prevented trains from reaching Weigling that night. The nature of the applicant he could not ascertain; indeed, the railway authorities did not clearly know at that time. There was very little excitement in the station, as the officials, fall-Water or Guilfford. They were havy making the pecessary arrangements to alter the route of the loss my brother for the traffic reseases, whom he

does to a slight extent resemble, warfald and tried to interview him. Few recode, excepting the railway officials, connected the breakdown with the I have read in another account of these events. by the news from Wakine" As a motter of fact.

there was nothing to justify that very extravorant phrase. Plenty of name in London did not beer of Those who did took some time to realize all that the

veved. The majority of people in London do not The habit of necronal accurity, moreover, is no deeply fixed in the Londoner's mind, and startling tremore: "About seven a'clock last night the Martians came out of the cylinder, and, moving about under an armor of metallic shields, have completely wrecked Woking Station, with the adjacent houses and massagred an entire bettabon of the Cardigan Regressit. No details are known. Maxima have been absolutely uncloss against their armer; the field-guns have been disabled by them. Flying hussars have been collowing into Cheetany. The Maxand sarthworks are being thrown up to check the advance Londonwards." That was bow the Sandon

Sun put it, and a clover and remarkably prompt No one in London know positively of the nature of the armored Martians, and there was still a fixed idea that these monsters must be sluggish; "crawling," "creeping painfully"-such expressions occurtelegrams could have been written by an ever-witness of their advance. The Sunday papers printed sepeven in default of it. But there was practically nothing more to tell neonly until late in the afteryour when the authorities gave the press agencies

people of Walten and Woylerides, and all that dis-

trict, were pouring along the roads Londonward.

MY brother went to church at the Foundling Hospital in the morning, still in ignorance of what had happened on the provious wight. There elal prayer for peace. Coming out, he haught a Referee. He became alarmed at the news to this and went armin to Waterico Station to find out if communication were restored. The emulbanes, carrispes, exclists, and froumerable people walking in their heat clother, nearned scarcely offected by the strange intelligence that the necessary mercial by the the station be heard for the first time that the Windoor and Chartney lines were now interrested

The norters told birs that several remarkable telegraves had been received in the manning from Dr. fleet and Chertney Stations, but that these had abruptly ceased. My brother could get very little precise detail out of them. "There's fightfor coing on about Werbridge," was the extent of their infer-The feels service was now very much discressited. Quits a number of people, who had been ex-

notwork, were standing about the station. One grav-braded old continuon came and abused the South-Western Company bitterly to my brother, "It wants showing up," be said.

ont for a day's boating, and found the locks closed briellisence so much a matter of course in the

and white blazer addressed my brother, full of speed of an express train, and able to shoot out a

"There's hosts of people driving into Kingston in trare and carts and thoses, with boxes of valuables and all that," he said, "They come from Molesey been gurn heard at Chertsey, heavy firing, and that mounted soldiers have told them to get off at once

The Martisms can't get out of their pit, can they?" Afterwards he found that the varue feeling of one connected with the terminus scened di-ters-

pered. with soldiers. These were the guns that were brought up from Woolwich and Chatham to cover so forth. A little while after that a sound of police came into the station, and becam to clear the public

The church bells were ringing for evensors, and down Waterlee Road. On the bridge a number of came drifting down the stream in natches. The sun was just setting, and the Clock Tower and the proceful skies it is possible to imprine, a sky of purple cloud. There was talk of a floating body.

told my brother he had seen the helicersph flicker-In Wellington Street my brother met a comie of ards. "Dreadful estastronhe?" they hawled ene to the other down Wellington Street. "Fighting at Weyhridge! Full description! Recoise of the Martians! London said to be in danger?" He had to

stern. He leaves that they were not marrie a hand,

They were described as "vast spider-like machipes, nearly a hundred feet high, capable of the

of field-gens, had been planted in the country about district and London. Five of the machines had been seen moving towards the Thames, and one, by been at once annialisted by the Heat-Rays. Heavy

The Martians bad been repulsed; they were not from Windsor, Portamouth, Aldershot, Woolwicheven from the north; among others, long wire guns ily laid, chiefly covering London. Never before in Any further cylinders that fell, it was bored

could be destroyed at once by high explosives, which

No doubt, ran the report, the situation was of the was exhorted to avoid and discourage panie. No doubt the Martians were strange and terrible in the extreme, but at the outside there could not be The apthorities had recent to suremen from the size of the cylinders, that at the outside there could together. And one at least was dituoted of-perham more. The nublic would be fairly worred of the confidence of the authorities to cope with the

HIS was printed in coormous type, so fresh that time to add a word of comment. It was curious, my brother said, to see how ruthlessly the other con-All down Wellington Street, people could be seen

army of hawkers following these pioneers. Men came acrambling off buses to secure outles. Certainly this nows excited people intensely, whatever their previous anothy. The abutters of a man-elecfly fastening mans of Surrey to the glass.

the paper in his hand, my krother saw some of the fugitives from West Surrey. There was a man driving a cart such as gresnerocers use, and his wife and two boys and some articles of furniture. He was driving from the direction of Westminster Briggs, and close behind him came a key wagers with five or its respectable-booking posts in it, and wave bagard, and their centre operance over bagard, and their centre operance contrasted coastpourous's with the Sabbath-best as progression of the properson of the Sabbath and the Sabbath

while in the face

By better timed down towards Vicetia, on due, to the high section of the large of the He collection or an animal toward of the rights or such He collection or animal number of point regarding the telffic flows with the number of the rights of the regarding the telffic flow of the rights of the rights of the right of the rights of the right of the ri

except one man, who assured him that Whitep had been critically distripted on the previous night. "I come from Bythet," he said; "a mean on a hicycle came throught the plane is the early mercing, and man from door to door warning as to come news. Then come solidons. We write to the took, and therewere chois of nanks to the south—orthing host randes, and not in oul coming that way. Then we heard the grans at Christop, and fulls coming from Weybriden. So I've locked up my hours and come

At that time there was a strong feeling in the streets that the authorities were to blaze for their instanctly to dispose of the involves without all this inscurvatione. About eight o'clock, a noise of heavy firing was distinctly audiths all over the south of Lorsien. My

streets to the river he was able to distinguish it quite phinty. He was able to distinguish it He wasked back from Westrinjuster to his apartments near Regent's Park about two. He was now the control of the result, and distanced at the evident rough in a result, and distanced at the content to tun, even as mine had run on Saturday, on military details. He thought of all those siltent expectant gun, of the suddenly nomable country-

dred feet high.

There were one or two carthods of refugees possing along Oxford Street, and several in the Maryishone Road, but so abody was the news spreading that Report Street and Perthand Road were full of their usual Sanday right promonders, affect the

a little opposeder, the same of gran continue it to termiticathy, and fair mininglish three seems to be sheat lighting in the souls.

I see that the same of the s

talked in groups, and along the edge of Regent's

Park there were as many affect couples "walking

and run to the window. His room was notice, and as be thrust his head out, up and down the street there were a done ochee to the noise of the windows and, and beads to every kind of night disarray appeared. Inquiries were heling abouted. "They are centile when the property is the street of the s

The notion of drumming and trampeting came from the Alazay Hirstel Barreads, and every church within earshot was hard at work billing sleep with a volument disorderly toods. There was a notice of doese opening, and window after window in the bases opposite fashed from druhnass into yellow firmination.

away slowly in the distance. Close on the rear of this care a copie of eals, the foreramors of a long procession of fring whisles, point for the most part to Calife Farm Statice, where the North-Western special trains were leading up, instead of coming down the gradient into Eurice. FOR a long time my brother stared out of the window in black actorishment, watching the

FOR a long time my brother stared out or tan wisdow in hiada abstrainment, watching the addresses hammering at door after door, and defivering this inaccoprehensible message. Then the doer behind him operad, and the man who lodged across the landing same in, drassed only in shirt, tronsers, and allports, his hranes loose about his world him to the discovered from his allie.

"What the davil is it?" he asked. "A fire? What
a devil of a row?"
They both cruxed their heads cut of the window,

They both craned their heads out of the window, straining to hear what the policemen were shoutty, inc. People were coming out of the side-streets, and standing in groups at the corners talking. "What the drull is it all about?" said our broth-

er's fibrologies, and began to My brother answered him vaguely and began to dreas, rander with each garment to the wisdow in a order to miss nothing of the growing excitement of the aircent. And proceedly men along an unasturally early newspapers came baseling sits.

ton and Richmond defences forced! Fearful massacres in the Thames Valley!" And all about him-in the rooms below, in the houses on sither side and across the road, and other streets of that part of Marviebone, and the

westward and porthward in Kilburn and St. John's and Hurbbury and Haggerston and Hexton, and indeed, through all the vastness of London from Ealing to East Harn-people were rubbing their simless questions, and drossing heatily as the first breath of the coming storm of Fear blew through of Monday morning to a vivid sense of danger.

Unable from his window to learn what was happening, my brother went down and out into the street, just as the sky between the parapets of the licuses grew pink with the early dawn. The firing people on feet and in vehicles grew more numerous every moment, "Black Smoke?" he beard people crying, and again "Black Smoke?" The contagion of each a manimum fear was inevitable. As my brother healtated on the doorand got a cony forthwith. The man was running away with the rest, and selling his parers as he

And from this paper my brother read that cetantrophic descatch of the Commander-in-Chief; "The Martians are able to discharge enormous clouds of a black and poisenous vapour by means of rockets. They have smothered our batteries,

and are advancing slowly towards London, destroying everything on the way. It is impossible to step there. There is no safety from the Black Smoke but in instant flight," That was all, but it was enough. The whole population of the great six-million city was stirring, elipping, running; presently it would be neur-

"Black Smoks?" the voices cried. "Fire?" The hells of the neighboring church made a inneling tuessit, a cart careleasly drives amashed up the street. Bickly vellew light went to and fro in the houses, and same of the passing cabs flaunted unextinguished lauge. And overhead the dawn was evoulne brighter, elect and steady and calm. He heard footstern remains to and fro in the rooms, and up and down stairs behind him. His

What Had Happened in Surrey T was while the curste had sat and talked so wildly to the under the hedge in the flat meadows year Halliford, and while my brother

Bridge, that the Martians had resumed the offensive. So far as one can ascertain from the con flicting accounts that have been put forth, the majority of them remained busied with preparaumes of given smoke.

way through Byfleet and Pyrford towards Ripley and Weybridge, and so came in sight of the expectant batteries against the setting sun. These Martians did not advance in a body, but in a line fellow. They communicated with each other by means of siren-like howly, running up and down the scale from one note to another

It was this howling and the firing of the guns at Rinley and St. George's Hill that we had beard at Upper Halliford. The Ripley gunners, unsensoned artiflery voluntacre who capht pever to have been placed in such a position, fired one wild, premature, freffectual volley, and belted on horse and ran, for a shilling each-a groteogue mingling of walked over their suns serepely without using his Heat-Ray, stepped glagurly among them, passed in front of them, and so came unexpectedly upon The St. George's Hill men, however, were better lad or of a better mattle. Hidden by a rite, wood as they were, they seem to have been quite unexdastroyed Richmond, Kingston, and Wimbledon. marted by the Martley nearest to there. They laid

their runs se deliberately as if they had been on

The shells flashed all round the Martian, and down. Everyhody velled together, and the guns were reloaded in frantic haste. The overthrown appeared over the trees to the south. It would one of the shells. The whole of the second volley flow wide of the Martin on the oround, and simply taneously both his companions brought their Heat Rave to hear on the hattery. The amountition blew up, the pine-trees all about the guns flashed sirendy running over the crest of the hill escaped. After this it would seem that the three took counsel together and halted, and the scouts who were watching them report that they remained

Martian who had been everthrown crawled tedi-As my brother began to realize the import of all these things, he turned heatily to his own room, suggestive from that distance of a speck of light put all his available money-come ten pounds altoand apparently engaged in the repair of his sup-

C STYAPIE

port. About him by had finished, for his cost was then seen about the trees again.

It was a few minutes part alone that algeby when these there controlled were closed by four other Martians, each carrying a thick black tube. A smiller tube was handed to each of the three, and the seem proceeded to distribute themselves at squal distances along a curred film between Six equal distances along a curred film between Six George's Hill, Waybridge, and the rillage of Send, southwest of Ripley.

southwest of Ripley.

A fours policies againg sort of the hills before
them as soon as they began to move, and warned
them as soon as they began to move, and warned
the waiting batteries about Ditter and Esher. At
'he sure time four of their Fighting Machines,
justicely amount of the their Fighting Machines,
justicely amount of the their Fighting Machines,
to sight of myoulf and the cargined he will be
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sections to the success reade, where destroy these concesses the success reade, and the success reader. At this sight the curate cried faintly in his threat, and began running; but I knew it was no youl running from a Martine, and I turned add and crawled through deepy nettice and herambies into the bread dittic by the side of the read. It to book of book, saw what I was doing, and turned The trow Martines halted, the source to us stand-

ing and facing Sunbury, the remoter being a gray indistinctness towards the evening star, away towards Staines.

THE occasions horsing of the Martians and cased, they took up their positions in the bugs createst in the bugs createst about their cylinders in shoulder sideous. It was a createst with twolse miles between its horses. Never since the deviking of gunpowder was the beginning of a shuttin so still. To us and to an charaver about Riphy it would have had precisely the same effect—the Martians touch in subtrary postension of the deviking sight, its only quiet of the disposition of the control of the c

Group's Hill and the woods of Palandell.

Blet faint that creenest swrayshave, at Stations,
Blet faint, that creenest swrayshave, at Stations,
Blet faint, that creenest swrayshave, at Stations,
Blet faint, that creenest failt faint creenest creenest creenest creenest failth faint f

No doubt the throught that was upperment in a thousand of these vigilant minds, even as it was upperment in mine, was the riddle how much thay understood of us. Did they greap that we in our millions were organized, disciplined, weeking to gather? Or did they interpret our sparts of fire, the sudden stringing of our shells, our steady in

gather in my mind as I washled that was seedinal olaspa. And is the back of my mind was the neariest of all the large unknown and hidden ferces Lordenward. Had they prepared putilities Were the personnellis at Houndow ready as a same? Would the Lordeners have the beart and ecurage to make a greater Moscow of their nighty provinces of houses?

Then, after an interminable time as it seemed to m, ereculary and peering through the height,

of base? Did they dream they wight exterminate

us? (At that time no one knew what food they

to us, ereculing and peering through the hedge, came a sound like the distant concussion of a gas. Another nearway, and then another. And then the Martine helds us raised in this on high and discharged it gussvins, with a heavy report that made are record lares. The Martine towards Scales are the record lares. The Martine towards Scales and simply that leaded determation. It was see earlied by these beary minute-guns follingly that leaded determation.

lowing one another that I so for furgot my percent actify and my scalide house as to caustre up into the hedge and stars towards Suntory. As I dd so a second expert followed, and a lay projective harried overband towards Homanow. I expected at beaut to see tundo or fire or some such evidence of its work. But all I saw was the deep-lain sky above, with one collary star, and the withen that operating wide and low beneath. And there had a present the collection of the collection of the water reddered to the collection of the collection.

was matered; the minute lengthened to three.
"What has happened?" said the curate, standing
p beside ms.
"Heaven knows?" said 1.
A but fickered by and vanished. A distant turnell.

A bit Hickered by and wantisted. A distant turnist of shorting began and coased. I looked again at the Martian, and any be wan now moving contrast along the trive-bank, with a newly realing motion. Every momant I expected the fire of come hidden battery to spirit upon him; but the sweding color was unbroker. The figure of the Martian grew was unbroker. The figure of the Martian grew that the pathering allows are serviced by the min and the gathering allows. In severetty the mint and common inquisits we clambered higher. Towards Sunbury was a dark appearance, as though a cycle.

cal bill had suddealy come into being there, hiding our view of the further country; and then, ref moter across the fiver, ever Walten, we saw an other across the fiver, ever Walten, we saw an old lower and broader even as we stared. I lower and broader even as we stared, Meved by a radden thought, I looked sectionary and there I preceived a third of those cloudy black

Bverything had maddenly become very still. Far away to the south-cost, marking the quiet, we obsard the Martinus booting to one scother, and then the air quivered again with the distant than of their gums. But the earthly artillary made no sendy.

Now, at the time we could not understand those things; but later I was to learn the meaning of these continous kopies that gathered in the twillight. Each of the Martians, standing in the great crescent I have described, but discharged at some one known signal, by means of the gan-like tube he carried, a buse canisfor ever wheaver till, come.

absolut of houses or other resultle owner for some of these, some two, as in the case of the one we charged no fewer than five at that time. There consisters amashed on atriking the events—they did

not explode-and incentinently disengaged an where, was death to all that breather. It was harry this wancer bearing than the

deniest smoke, so that, after the first turnplingue worth and outflow of its impact, it sank down through the air and poured over the ground in a the hills, and streaming into the valleys and ditches bonic acid gas that pours from volcanic slefts is instantly occurred with a newdory arms that said slowly and made way for more. The accordance absolutely translable and it is a stranger thing san ing the instant offect of the gas, that one could without burt. The yangur did not diffuse as a true combined with the mist and moisture of the air and sank to the earth is the form of dust. Save that an unknown slement giving a group of four

are still entirely ignorant of the nature of this Ozco the tumpituous unheaved of its dispersion was over, the black areolo elune to elonely to the of high houses and on great trues, there was a chance of escaping its palsen altogether, as was proved even that sight at Street Cobham and

THE room who exceed at the former place tells THE room who encaped at the iterangement of its colling flaw, and how he looked down from the church spice and naw the houses of the village piolog lifes about out of its teles nothingson. For a day and a half he remained there, weary, stary, sky and argiest the prospect of the distant hills a valent black consume with and most armen trees and, later, binele-veiled shrubs and gates, berns,

But that was at Street Cohham where the Mark vareur was allowed to remain until it sank of its own accord into the ground. As a rule, the Marair of it seems by walker late it and direction a

we heard the sound of the hore views gross that had been not in position there. These continued intermittently for the space of a quarter of an hour, sending chance shots at the invisible Merbeams of the electric light vanished, and were replaced by a bright red class. Then the fourth cylinder fell-a brilliant green meteor-as I harst afterwards, in Bushay Park. Refere the guns on the Richmond and Kingston

returned. From there we could see the search-

lights on Richmond Hill and Kingston Hill coing to and fro. and about eleven the window rattled and

So, setting about it as methodically as men might

smoke out a waspe' nest, the Martians spread this strange stifling vapour over the Leadonward coununtil at lest they formed a line from Harwell to Coombe and Mahlon. All night through thely deatrustice tubes advanced. Name once often the Martian at St. George's Hill was brought down did they give the artiflery the ghost of a charge against them. Wherever there was a penalbility of of the black veneur was discharged, and where the guns were comby displayed the Heat-Ray was

By midsfold the blosing trees along the slanes of Richmond Park, and the glare of Kingston Hill threw their light upon a network of Nack amelia. blotting out the whole Valley of the Thamen, and extending an far an the eye could reach. And through this two Martines should maded, and The Martians were sparing of the Heat-Ray that

and average the appenition they had aroused. In night was the end of the organized opposition to their movements. After that to bedy of men could that had been cht their autab force on the Thomas refused to step, mutinied, and went down again The only offensive eneration men ventured upon often that might men the remarkless of miner and Bit-falls, and even in that men's energies were

frantic and amarredia One has to impoins the fate of those betteries towards Eaker, waiting so tensely in the twilight, as well as one may. Surplemen there were none One may picture the orderly expectation, the off-

their begun and wagons, the groups of civilian the evening stillness; the ambulances and hospital texts, with the hurst and wounded from Wes-That they did with the wareer-banks wear on bridge; then the dill resonance of the shets the

AMAZING STO

over the trees and bosses, and smashing amidst the neighboring fields.

One may picture, too, the sudden shifting of the attention, the swiftly speculing cole and bullyings of that blackness advancing hedding, towering beavenment, turning the twillight to a sulphable definess, a strange and horitic antag-

surprise to that takeness awarding become, towering becommand, turning the twilight to a palpable darkness, a strange and horrible antagonist of vapour striding upon its victims, men and horses near it seen disuly, ranning, shricking, falling heading, should of dismay, the guns suddenly abandened, men choking and writhing on the ground and the swift broadening out of the opaque come of smoke. And then, night and extinctionnothing but a silent mass of impenetrable vapour hiding its dead.

Before dawn the black vapour was pouring through the streets of Richmond, and the distinggrating organism of government was, with a last

KND OF PART I

to the necessity of flight.

What Do You Know?

tions. Priors use if you can arriver the queriess first without looking for the answer, and set how well you check up on your general knowledge.

If you wish to see a questionnaire of this kind every mouth, do not full to mark your reply on the voting corpous which you will had cleavities. If there is sofficient denialed for the questionnaire we

. How far is Mare from the Sen? (page 423). In Mare supposed to be older than the Earth?

- (page 423)

 . What is the closest we ever get to Maes? (page 423)
- of Mars then on Earth (page 431).

 5 What is the Spectrogram of a ster (page 461).
 - What foca for astronomer mean by good or hat "steing"? (page 661)

 What power fees an astronomer use under good
 - conditions for planeisry work? (page 464).

 What is factorial calculation? (page 464).
 - What is the duodecimal system of notation? (page 664).
 - When is a placet in opposition and when is it nearest to the earth? (page 467).
 What do you know about the mountains of Mars?
 - page 468).

 What do you know about me mountains or Market page 468.

 What do you know about a possible application of relations to need (come 422).
 - of relativity to age? (page 479).

 J. Is there such a thing as old age hologically conwidened? (page 479).
- sidered³ (page 479).

 14 Is an automatic distribusible and dryer a possibility³ (page 473).
- What should be from to a firsh wound as soon as possible? (page 499)
 What are harmounts? (pages 499 and 901).

- collicient demand for the questionnaire we
- When severed arteries and veins are tied up with gut in surgical practice what becomes of the gut?
- Is the atom smaller than the molecule? (page 500).
 What is the atom made of? What are its name?
- (page 503).
 23. What do the outer circulatory electrons of a stress day (quar 503).
- otons do? (page 503).

 22. How big is an electron compared to the hydrogen aton? (page 594)

 23. Cut the impre of stars he potten upon the show-
- graphic plate when the stars are too far away to be seen? (page 554), 24 What is the speed of light? (page 504)
- 25. How could you aspurate crystalline regionles from colloids? (page S04).
- Taking organic prisess as collects, how would you keep them frees entering the executaory system in the onse of a finth wound or amputa-
- What is strychnine, and what does it come from? (page 550)
 What velocite metal is present in sea-water?
- (page 689).

 What is the volume of the count? (page 682).

 What must your concenter in a purachuse descent? (page 674).

Beginning with October

AROUND THE UNIVERSE

The TISSUE-CULTURE KING By Julian Huxley



S had been for three days engaged in thicker. The look of a ramourt grew so turned to the right slong the front of the green

enormous pegro man at least eight feet b ever seen outside a circus time to time prostrat

but as I moved forward, the creature took a count We mushed on, and I became convinced that the

a droning sound came to our ears, which we very

incontation. The of was a small flat ; together with a painted

I had seen, but in a cage of woven gross, placed it

on the ground, and proceeded to more genufection The country at last began to alone cently down

quilly regarded the landscape. distance attracted attention; glimpoes of color moved through the acreb; and a party of three or four dozen men were seen approaching, meet of them as elegably as our first accusintance. All marched in order, armed with great spears, and wearing calored him strape with a port of sporran.

telligent-looking negro of ordinary stature armed almost dwarfalt, with huge heads, and enormously fat and brawny both in face and body. They wore At sight of them, our giant rece and stood stiffy and halted. Some order was given, a giant starped basket, handed it stiffy to the newcomer, and fell into place in the little company. We were clearly witnessing some regular routine of relieving guard, and I was ranking my brains to think what the

whole thing might signify-goards, giants, dwarfs, teach-when to my dismay I heard an endomation It was one of those damned porters, a confounded fellow who siways liked to show his independence. taxtly erent up to see what it was all about, and the audden sight of the company of glants had been too much for his nervoy. I made a nignal to lie quiet, but it was too lain. The exclamation had been

hears; the leader gave a quick commend, and the giants rushed up and out in two groups to sur-Violence and resistance were clearly out of the custion. With my heart in my mouth, but with threw out my empty hands, at the same time telling the tracker not to shoot. A dozen arears seemed leader ran up the slope and gave a command. Two giants came up and put my hands through their arms. The tracker and the porter were herded in front of the arear mint. The other porters now discovered there was something amins, and began

to shout and run away, with half the spearmen after them. We three were cently but firmly rearched down and across the hollow I understood nothing of the language, and called to my tracker to try his hand. It turned out that there was some disloct of which he had a little un-

deestanding, and we could learn nothing save the fact that we were being taken to some superior For two days we were murched through pleasant park-like country, with villages at intervals. Every animal would be visible, until I thought I had to a pleasant river-valley; and presently we meared for Africa, its mad walls of strangely impressive architectural form, with their heavy, slabby buttreezes, and giants stending guard upon them. See ing us approach, they shouted, and a crewd poured out of the rearest cate. Mr God, what a crowd! was getting used to glants by this time, but here dwarfs; others like them but more so-one could mature shildren or horribly stanted adults; others ton, and rolls and volutes of fat crisping out of ciously scrile and wisered, others hateful and imbutile in looks. Of spurse, there were alcoty of ordinary negroes too, but enough of the extraordinary to make one feel pretty queer. Seen after we got imide, I suddenly roted something else which appeared inexplicable—a telephone wire, with pertree. A telephyno-in an unknown African town

BUT another surprise was in store for me. I saw a figure pass across from one large building to man. In the first place, it was wearing white durks and sun beliest; in the second, it had a pale face. stood looking a mement; then walked towards un-"Hallos!" I shouted. "Do you speak English?" and been talking suickly to our leaders, who

treated him with the greatest deforence. He dropped back to me and speke ramifly: "You are but I will see to it that no harm comes to you. This is a forbidden land to strangers, and you must be propered to be held up for a time. You will be sent down to see me in the temple buildings as soon as the fermalities are over, and I'll explain things, lanch. "By the way, my name is Hascombe, lately

lous advicer to His Malesty King Mgobe," He esting figure-perhaps fifty years old, spare body,

there, and only I and the leader passed in. The examination was nursly formal, and remarkable turned all the actions of the couple of dozen fine looking men in long robes who were our examiners My man were harded off to some compound. I wen ascorted down to a little hat, furnished with some

attempt at European style, where I found Has stumbled on the original source of supply of circus

As soon as we were alone I was after him with my questions. "Now you can tell me, Where are wo? What is the mousing of all this circus busi-

the Blood. So do we white man; but we do more-

reality, and with permission I will show this great magic." He beckened to the bearer who carried his precious microscope, set it up, draw a drap of

blood from the tip of his fager with his knife, and recurried it on a slide under a coveralin. The bigwigz were obviously interested. They whispered to

each other. At length, "Show us," commanded the

power which might make him a desirable servant.

They would not ask to see their own blood for

fear that the eight would put them into the power When the Commission as a whole had finished its of those who saw it. But they had blood drawn from a slave. Hascombe asked too for a hird and other white man and a comment of porters to see was able to create a certain interest by afforming what he could discover. His white companion was how different were the little neonle of its blood "Tell them," he said to the interpreter, "that I

have many other newers and master which I will show them if they will give me time." The long and short of it was that he and his party were spared-He said he knew then what one

felt when the magistrate said: "commanded for a weck."

He had been attracted by one of the elder states. men of the tribe-a tall, powerful-looking man of

middle-age; and was agreeably surprised when this rean came round next day to see him. Hascombe

later zicknamed him the Prince Bishop, for his combination of the qualities of the statemen and the ecclesiastic; his real name was Rugola. He was as

anxious to discover more about Hascombe's myste-

rious presers and resources as Hascombe was to learn what he could of the people into whose hands he had fallen, and they met almost every evening and talked far into the night,

Burala's inquiries were as little preported as Hascomba's by a purely academic curiosity. Impressed himself by the references, and still more ha the effect which it had had on his colleagues, he was

anxious to find out whether by utilizing the powers of the white man he could not secure his own advancoment. At length, they struck a barquin, Rugala would see to it that no harm befell Hascombe.

But Hancombe must dut his resources and powers at the disposal of the Cornelly and Rossia small take good care to arrange matters so that he him-Burels imprined a radical change in the national

religion a cost of reformation based on Hancombale conjuring tricks; and that he would emerge as the High Priest of this changed system. Hascombe had a surse of humor, and it was

tickled. It seemed pretty clear that they could not croams, at least for the present. That being an why not take the opportunity of doing a little research

sioned officer of science called Aggers. into the hands of this same tribe. That was fifteen

years ago; and Aggers was now long dead-as the result of a wound inflicted when he was caught. after a couple of years, trying to escape.

how do you come here?" He cut me short, "It's

to give a more connected account, the result of

Hascombe had been a medical student of great

promise; and after his degree had launched out into

and from that to a study of developmental physpess had been organized, and Hascombe, restless

and eager for travel, had pulled wires and got him-

self appointed as one of the scientific staff sent to

annelscore. When he learned of the extensive mi-

grations of game, he saw here an important pos-

sible means of spreading the disease and asked leave

to so up country to investigate the whole problem.

work, he was allowed to stay in Africa with one

the council chamber, and Hascombe (who had inmuch impressed by what he described as the excoolingly religious atmosphere. Everything was

seemed more priest than king, and performed variour rites at intervals, and priests were busy at some sort of altar the whole time. Among other things, with blood. First the chief and then the councillors were in turn requisitioned for a drop of vital fluid in a little vessel, was slowly evaporated over a flame, Some of Hascombe's men stoke a dialect not unlike that of their captors, and one was acting as

interpreter. Things did not look too favorable. The they let well alone, and did not tresputs. White the debate was what to do-to kill, let go, or enslave? To let them go was contrary to all their principles; the holy place would be defiled if the

onlored creatures. Hascombe had an idea. He turned to the interpreter. "Say this: You revere

ZING STORI

work at state expense—an opportunity which have and his like were always chuncing for at home! His thoughts began to run away with him. He would find out all he could of the trian and super-week and the could of the trian and super-layer the state of these triangent of these triangent of these triangent of these triangent of the state of the

Note, would not be seen my resolving to tell all the segretations, the files Barts, the wincelestation, the files Barts, the wincelestation, the files Barts, the wincelestation ings. In the end he sourced what he wanted—a building which could be used as a laberatory; as unlimited supply of slaves for the lower and prices for the higher duties of laboratory assistants, and the promise that when his scientific stores were exchanged to the state of the same of the same than the same of the same than the same of the same than the same of the sa

He must applied himself dilipently to a study of their religion and found that I was bullt round various main matrix. Of these, the occitation was the belief in the divinity and trevendous largeter than the divinity and the recensions largeof massion worship. The third was an animal cult, in particular of the more rotecting species of the African fauna. The fourth was set, one surientest. Hancomple reflected on these facts. These culture, the contract of the contract of the contract of the strength of the contract of the contract of the strength of the contract of the contract of the strength of the contract of the contr

THAT was how it all started. Pedapa the best way of giving some idea of how it had developed will be for me to tell my own impressions when Hascombe took me round his inheratories. One whole quarter of the town was devoted entirely to religion-it struck me as excessive, but Hascomba reminded me that Tibet spends one-lifth of its rev-Facing the main square was the chief temple, built impressively enough of solid mod. On either eids were the spartments where dwelt the servants of the gods and administrators of the sacred rites Behind were Hascombe's laboratories, some built of ared, others, under his later suldance of wood They were guarded night and day by patrols of giants, and were arranged in a series of coad, rangles. Within one quadrangle was a pool which served as an aquarium; in another, prieries and ous animals; in the fourth a little botsnic gardon Behind were stables with desens of cattle and sheep. and a sort of experimental word for human beings He took me into the passest of the buildings tory (it is difficult to give the exact sense of tha word, but it literally means producing-place), the platoens of buxom and shining African nomen, becomingly but enusually dressed in tight-fitting

white dresses and cape, and wearing rubber gloves.

respiates from which steem was energing. The back of this room was nerved off by a weeden across in which were a series of glass doors; and these doors operad into partitions, each labelling with a name in that tanknown tempts, and each containing a number of objects like the one I had sent taking as number of objects like the one I had sent taking as on the survey of the contraction of the conjugate. Pipe a survenised that chamber, and apception. The survey of the contraction of the concount.

"Plattory of Majesty"! I coulding. "Willionguis"

of Immurfally! What the distinct of you many?
"If you perfor a more promain more," self like
contex, "I should east this the fractite of Religious
Tissue Collure," My mild went hack to be
1918 when I had been taken by a hological riveral to
1918 when I had been taken by a hological riveral to
New York to are the famous Reconstruct I new again before
me Dr. Alexie, Garrell and troops of whith egation
American girls making culture, servicing, engel
American girls making cultures, struiting, and

but it had an even larger, if differently colored, personnel.

Hascombe began his explanations. "As you prob-

able have, France's 'Golden Bougas' introduced as to the dies of a success quietabling, and shewed have to the dies of a success quietabling, and shewed have furthernoonal if was in primitive societies. The well of the success and success and the success and success and the success and

supposed that the librorous and misfortunes that might befull the King were vicariously not rid of. "I first of all rigard up my apparents, and with the sid of Aggern, succooled in petting good cultures, first of chick tissues and later, by the sid of embryo-extract, of various sluft mammallen tissues. I them went to Bugala, and told him that I could

herease the select if nor of the Kirz as an individual, at least of the life which was in him, and that I presumed that this would be equally acalistictery from a changing injust of view. I painted out that if he chose he made practical of the King's subsidiety lives, he would be in a much more important position than the chamberisis or the burier of the second subjectings, and right mades. "Posttonly I was allowed (under threats of death if artitling unlowed country he removes and

portions of His Majesty's submitaneous connective trison under a boal annesthete. In the pressures of the ascembed nebdity I put fragments of this into "A very subpense treasing on a division of Roman mythol-

very elaborate treation on a division of Roman reptho specially on the cult of Diana.

made. The subscription antitled the receiver to

sub-culturing rights for a year, but was of course

Then they could also serve their country by dedi-

cating a daughter to the citie. These women women

would be housed and fed by the state, and tanglet

incubator, under a guard-relieved every eight hours of half a dozen warriors. After three days, growth. I could see that the Council was impressed, that this growth constituted an actual increase in the quantity of the divine principle inherent in royalty; and, what was more, that I could increase it

indefinitely. With that I cut each of my cultures into eight, and sub-cultured all the pieces. They were again put under guard, and again examined after three days. Not all of them had taken this time, and there were some murmorings and angry King: but I pointed out that the King was still the and that any successful cultures represented so

I must say that they were very reasonable, and had good theological acumen, for they at once took the "I rointed out to Bucala, and he persuaded the discensed some of the older implications of the doc-

Our aim was to multiply the King's tissues indefinitsly, to enoure that some of their protecting Thus by concentrating upon quantity, we could afford to remove some of the restrictions upon the King's mode of life. This was of course agreeable to the King; and also to Bugala, who saw himself wielding undragnt-of power. One might have supgreat resistance simply on account of its being an

"Having thus settled the principle, I had many What an opportunity for erientific advertising? But, unfortunately, the population could not read.

HASCOMBE organized a series of public lectures in the capital, at which he demonstrated his regal tissues to the multitude, who were bidden to the place by royal heralds. An impressive platform group was always supplied from the ranks of the was for the community to become possessed of

expensive, and it behooved them all to lend a hand. It had accordingly been arranged that to everyone three coats, pirs, or sheep-a portion of the royal an ebeny helder. Sub-culturing would be done at to send the cultures for remewal. If through any

the technique of the sacred culture. Candidates would be selected according to general fitness, but would of course, in addition, he required to attain distinction in an examination on the principles of religion. They would be appointed for a replantionary period of six months. After this they would receive a permanent status, with the title of Sisters of the Sacred Tissus. From this, with ace, experience, and merit, they could expect promotion to the rank of mothers, grandmothers, great-grand mothers, and grand appostresses of the saves. The marit and benefit they would receive from their overflow on to their families.

The scheme worked like wildfire. Pige, goats, eattle, buffalces, and nagro maidens poored in Next which I was able to introduce was many-production. a peripatetic laboratory making the rounds weekly By the close of the third year there was hardly a one sarred culture. To be without one would have been like being without one's trousers-or at least without one's hat"-on Fifth Avenue. Thus did Rupula affect a referention in the national religion enthrone himself as the most important personant in the country, and entrench applied science and

Recouraged by his success, Hascombe soon set out to carture the ancestry worship branch of the religion as well. A public proclamation was made be if worship could be made not merely to the still actually fiving and growing. All who were desirous of profiting by the enterprise of Bugala's Department of State should therefore bring their older relatives to the laboratory at certain execufied

This, too, proved very attractive to the average citizen. Occasionally, it is true, grandfathers or aged mothers arrived in a state of indignation and protest. However, this did not matter, since, according to the law, cace children were twenty-five years of age, they were not only assigned the duty were also given complete control over them. In order that all rites might be duly performed to the greater and, what was more, that once accomplished, it had the most desirable results. For their descendants

AMAZING STORIES which they would continue to worship after the old "Tampering with the post-pituitary gave remark-

folks were gons, and so left their persons and grandparents such freer than before from the become quality bely Thus, by almost every hearth in the kingdom, instend of the old-fashioned rows of red iars contain-

family forbears, the new peneration now growing taken out and reverently examined at the bour of prayer. "Grandpapa is not growing well thus weak," you would perhaps hear the young black devotee speck of tissue; and if that failed, it would be taken hand, what rejecting when a rhythm of activity

great-grandmother's tissues would being her wripkled old smile to mind again; and sometimes it seemed as if one particular generation were all stirred simultaneously by a pulse of growth, as if combining to bless their devout descendants. To deal with the possibility of cultures dving out. Hascombe started a central sterehouse, where dupli-

pository of the national tissues which had attracted collection had ever existed before, he assured me. Not a necropolis, but a histopolis, if I may coin a word; not a cometery, but a place of eternal growth. THE second building was devoted to endocrine

ed by the people the "Factory of Ministers to the "Here," he said, "you will not find much new You know the crace for 'glands' that was going on at borne years ago, and its results, in the share of medicious, and a popular literature that threatened

to outdo the Freudians, and explain human beings entirely on the basis of riandular make-up, without "I had only to apply my knowledge in a comparatively simple manner. The first thing was to show Bugula how, by repeated injections of pre-pituitary, This pleased him, and he introduced the idea of a

sacred bodyguard, all of really gigantic stature, quite overshadowing Frederick's Grenadiers "I did, however, extend knowledge in several di rections. I took advantage of the fact that their religion holds in reversion monetrons and imbedie forms of human beings. That is, of course, a commen phenomenon in many countries, where halfwits are supposed to be inspired, and dwarfs the object of apperstitious awe. So I went to week to create various new types. By employing a particular extract of adrenal cortex, I produced children who would have been a match for the Infant Heren. les, and, indeed, looked rather like a cross between him and a brower's drayman By injecting the same extract into adolescent girls I was able to provide

they found ready employment as propheterses,

able cases of obesity. Thus, together with the nastook advantage of, and I believe made quite a for tune by selling an consulting female slaves treated in this way. Finally, by another pituitary treatment, I at host mostered the secret of true dwarfism, in which perfect proportions are retained. "Of these productions, the dwarfs are retained as

acolvies in the temple; a band of the obest young special religious duties, which, as the embodiment of the national ideal of beauty, they are supposed to discharge with peculiarly propitious effect; and the giants form our Regular Army,

I confess I have not yet solved. Like all ruces who have a correspondingly exaggerated reversage for could apply Jacques Loub's great discovery of artithese young ladies, I should be able to grow a race in concentrated form should attach that revenues ways remember that it is no good proposing any line of work that will not benefit the national relieion. I suprese state-sided research would have much the same kinds of difficulties in a really forms. cratic state. Well this, as I say, has so far besten me. I have taken the matter a sten further than Rataillen with his fatherless from, and have in-

duced parthenogenesis in the eggs of reptiles and ever, I've not given up vet!" Then we passed to the next laboratory, which was full of the most incredible animal monstrealities "This laboratory is the most amusing," said Heacombs, "Its official title is Home of the Living Fetishes.' Here again I have simply taken a prevawhich to harg research. I told you that they all ways had a fancy for the protesome in animals, and used the most binarre forms, in the shape of little

chy or ivery statuettes, for fatishes. "I thought I would see whether art could not im prove upon asture, and set movelf to recall my experimental embryology. I use only the simplest methods. I utilize the plasticity of the earliest

stages to give double-beaded and curloress were by Spemarn and fish by Stockard; and I have merely applied the mass-production methods of Mr Ford to their results. But my specialties are three beaded suskes, and toads with an extra beaven pointing head. The former are a little difficult but there is a great demand for them, and thes fetch a good price. The from are easier: I simply arely Harrison's methods to embryo tadpoles.

like the others, this contained no sirms of research black hangings, and lit only from the ton. In the them with the meet copious mustaches, after which centre were rows of cheay benches, and in front of them a rittering colden ball on a stand.

and see what it's all about, for it really is inter-You may imagine that I was pretty well flablerguated by this catalogue of miracles. Every day ! get a talk with Hascombe, and gradually the talks I have really hardly thought of it these last few years. It seemed so impossible at first that I delift-

and more energy, I might almost say fury, to my "Not wonst to?" I contained: "sarely was con't mean that ? "I am not so sure," he rejoined. "What I meet want is to get ahead with this work of mine. Why,

it is all growing so fast-I can see every kind of my future to his perverted intellectual ambitions But he would not leave his work.

THE experiments which most excited his imagi-The experiments when more exempt.

Institut were those he was conducting into mass. telepathy. He had received his medical training at a time when abnormal psychology was still very been introduced to some of the great ploneers, like In the early days of his captivity he became inter

knowledge of the literatura

ested in the sacred dances which took place every tions of the celestial powers. The dancers all befigures, symbolising various activities of the chase, coremonial bench. He then begins to make pesses that a few seconds sufficed for them to fall back in he said, the most startling cases of collective hypnosis recorded by the French scientists. The leader whispering a brief sentence into each ear. He then, according to immemorial rite, approached the dancers to perform," the King would thereupon the energies of the state; or (and this was what the

invisible enemies, or threw themselves on all fours and reared as lices, or galloned as releva, or danced as crance. The command executed, they stood like one to the other, toucked each with a finger and shouted "Wake," They woke, and limp, but conactous of having been the vessels of the unknown spirit, danced back to their special but or club-This susceptibility to hypnotic suggestion struck Hascombe, and he obtained permission to test the

performers more closely. He soon established that the people were, as a race, extremely prope to dissociation, and could be made to large into deep hypenosis with great ease, but a hypoceis in which the subconscious, though completely out off from the waking self, comprised particus of the personellty not retained in the hyunotic selves of Europeans cal cardie, he had been interested in the notice of telepathy; and now, with this supply of hypnotic subjects under his heads, began some real investi-

By picking his subjects, he was soon able to deveconstrate the existence of telepothy, by making seggestions to one hypnotized man who transferred a distance. Later-and this was the calmination of to several subjects at once, the telepathic effect was time-the hypnotized minds were reinforcing each other. "I'm after the super-consciousness." combs said, "and I've already got the redimenta

I must confess that I got almost as excited as Hascombe over the possibilities thus opened up. It certainly seemed as if he were right in principle. If all the subjects were in practically the same navchological state, extraordinary reinforcing of wally, however, we discovered that it was possible to tune hypnotic subjects to the same pitch, if I may use the metapher, and then the fun really

First of all we found that with increasing rein forcement, we could get telepathy conducted to transmit commands from the capital to the national boundary, nearly a hundred miles. We next found that it was not necessary for the subject to be in bymacels to receive the telepathic command. Almost everybody, but especially those of equable temperament, could thus be influenced. Most extraordinary of all however, were what we at first christened "near effects," gince their transmission to a distance was not found possible until later. If, after Han combe had suggested some simple command to a Whatever the command, the hypnotined men would right up among them, we would experience the most

extraordinary assession, as of some apperhaman personality repeating the command in a menacing and overwholming way and, whereas with one part
of ourselves we full that we must carry out to
disputche effect, and had prepared for conscious to
the command, with another we felt, if imputy as, as
if we were only a part of the command, or of seenoutletting work houses than considers with the cominterval their work houses than considers with the cominterval the command with the cominterval the command with the cominterval that full promotingly reduced the defects on our
must full promotingly reduced the defects on our
must full promotingly reduced the defects on our

mending. And this Hancombe dalmost, was the first real beginning of the super-consciousness. Hayals, of course, had to be considered. Hat he combe, with the old Theten groups wheel at the lock of his mind, suggested that creatually he under the constraint of the constraint of the constraint of the unitaries and these treasuries in groyer. This would ensure that the dully proper, for instance, was really said by the whole population, and, what is

ulation, and these transamit a prayer. This would consure that the dully prayer, for instance, was really asid by the whole population, and, what is more, simulation-costly, which would undoubtedly much sobance its efflowy. And it would make it possible to times of calculative be tattle to keep the whole graying force of the nation at work for long ageith together.

BUGALA was desply interested. He saw himself, through this meant mechanismy, planting such ideas as he wished in the brain eases of his peculism. He saw himself willing an erder; and the whole population reasting itself out of termes to ascerte it. He dream dreams before which those of the projection of a normopper syndicate, even those of a director of programmic in watter, where he is the dream dreams the contract, and the projection of a normopper syndicate, even those of a director of programmic in watter, whether he peculiarities are such as the contract of the projection of t

seein instruction, we not recover authority to be to make the that I selfen fill a little measy as to start by that I selfen fill a little measy as to start be might chose to do if he ever decided to everable Hoseome and be start experimenting on his even. This, encolled with my content limit ing to get way from the place, bid not be east about spain for wears of cortex. Then it occurred be no spain for wears of cortex. Then it occurred be no going precentings at the little of he made the gloony precentings at the little of he made the

loy to our prices.
So can stay, after gutting Hascombe worked up about the loss to humality it would be to let this better the loss to humality it would be to let this centest. "My deer Hascombe," I had, "you must get home out of this. What is there to prevent you worke to Bugshat they use experience new most love a much greater sumber of antifers at must have a much greater sumber of antifers at your disposal? You see than get a battery of two hundred men, and after you have turned them. The decidentment will be as great that you will have

your disposal? You can than get a hattery of two anundral mea, and after you have turned them, the reinforcement will be so great that you will have at your disposal a mental force by enough to affect at your disposal and a mental force by enough to affect we should raise the youthful of our min-shattery to this highest possible level, and send not through it a general hyproxile inflames. The whole country, mea, werrer, and children, would sake his saturn, may, werrer, and children, would sake his saturn, may, werrer, and children, would sake his saturn. Note: we should give our experimental regard the saturn which we would be religious out to report the saturn which we would be religious to each of the three which we would be religious to each of the three which we would be religious to each of the three which we would be religious to each of the three which we would be religious to each of the three which we would be religious to each of the three which we would be religious and the religious to each of the true which we would be religious to the saturn which we will be recommended to the saturn which we will be recommended to the saturn when the saturn which we will be recommended to the saturn when the saturn which we will be recommended to the saturn which we will be recommended to the saturn which we will be recommended to the saturn when the saturn when the saturn which we will be recommended to the saturn when the saturn which we will be recommended to the saturn which we will be recommended to the saturn w

panin meeting within the ranged to each of the thus sands of minds waiting receptively for it, and waill take root in them, until the whole sation became a single super-consciousnes, conscious only of the one thought sleep which we led thrown into it."
The reader will perhaps ask how we corractus expected to eccept from the clutches of the super-

nelvee. We had not informed Bugala of this property of motal.

Hanoumbe was silvest. At length he epoke. "I like the idea, he easily "I like to think that if I over do get hand to likelind and to relevith recognition my discovery will have given see the means of escape."

escape."

From that memont we worked antidecosity to perfect our mathed and our pires. After about five method were pires. After about five mentals averything assumed procipitous. We had gravisious packed away, and compasses. I had been allewed to keep my ritie, on percente that I would never discharge it. We had made friends with arms of the most wis west trading to the easel, and had of the most wish went trading to the easel, and had

the roate, without arounting their suspisions. At least, the sight nerviow (we assumined our most not if for an ordinary practice, and after keynouts had been induced, started to ture them. At these moreon Bugashs cames in, unanazonouth Tiles was within the beam straid of just there had been or moreon of preventing it. What shall set don't I should be a supplied to the started of the started o

as passile to the tjeth/passied ranks of the performers. At length the great-prize were finished. Hassends west into the pulph and sald, "Atomitee to the words which are to be supposed," There was a slight stiffening of the bedies. "Simp?" and Hassends. "Greep in the economic content of a in this lend to steep unbrekendy." Bugsle kept up with are echaration just the induction had already beyon.

We with our noted coversion were furnate. But

Bugelt was struck by the full force of the mental current. He mark back on the chall, beliese For a few minutes his entroordinary will resisted the supposition. Although be could not move, his narry gives were open. But at length to succentricle, and the control of the control of the control of the theory of the control of the control of the through the silent exentry. The preads were stilting about the west furnary. Worsen as taken stilting about the west furnary. Worsen as taken

by their milk-palls, the case by this time far away. Fat belied maked children alone and their games. The bouses were full of alsepara sheeping upright round their food, recalling Wordsworth's farnous "party in a parlor."

So we wunt on, feeling pretty queer and scarcely

So we went on, feeling pretty queer and scarcely believing in this morphic state into which we had plunged a nation. Phasily the frontier was reached, where with extreme clatten, we pessed an immedia and algorithe frontier guard. A few miles further we had a good wold mad, and a deep, Our kit was

rather heavy, and we decided to jettisen some superfluors weight, in the shape of some food, spectmens, and our notal headpear, or mind-protectors, which at this distance, and with the hyproxis wearing a little Bit. ware. on thought, no larger necessary.

About moshtfail on the third day, Hascombe sud-"What's the matter?" I said, "Have you seen a Bon?" His reply was completely unexpected, "No. I was just wondering whether really I ought not to go back again."

"Go back again," I oried. "What in the name of "about five minutes are. And really, when one comes to think of it, I don't suppose I shall ever

this is a dangerous journey to the coast, and I don't expect we shall get through alive." I was thoroughly usest and out out, and teld him so. And suddenly, for a few moments, I felt I must

hood, the voice of conscience. "Yes, to be sure, we ought to go hack," I thought with foregr. But suddenly checking myself as the

thought come under the play of reason-"Who proffered, as it were by unseen hands reaching up A ND then I realized what had happened. Bugals had waked up; he had wiped out the suggestion place put in another. I could see him thinking it

out, the common day? Come went give him credit for brains I), and bear him, after making his passes, suggestion; "Will to recorn!" "Return!" For most Doubtless same young men out on the hills, or truent children, or girls run off in secret to meet their lovers, were even now returning, stiffy and it someambuffstle trance, to their homes. It was only for them that the new command of the super-con-I am outting it in a long and discursive way; at

flash. I told Hoscombe, I showed him it must be so, change, I begged and implored him to use hit reason, to atick to his decision and to come on. How I regretted that, in our dealer to discard all usaless weight, we had left behind our motal telepathy-

But Hascombe would not, or could not, see my point. I suppose he was much more imbued with all the feelings and spirit of the country, and so more susceptible. However that may be, he was

similar rubbish. All this time the suggestion was out more distance between me and that unusual battery of will, I should sprough as well as he saks, come with me." And I shouldered my park, and set off. He was shaken, I saw, and came a few steps after me. But finally he turaced, and, in spote of my frequent pourse and shouts to him to follow you that it was with a gloomy soul that I continued ventures. Suffice it to say that at last I got to a white outpost, weak with fetigue and noor food and

immovable. He must go back; he knew it; he saw

I kept very quiet about my adventures, only givthat my men had run away or been kalled by the local tribes. At last I reached England. But I was a broken man, and a profound shoen had invaded my mind at the thought of Hascombs and the way he had been caught in his own not. I never found out what happened to him, and I do not suppose that I am likely to find out now. You may sak why I did not try to organize a rescue expedition; or why, tate. I can only repeat that I was a broken man. that I could repeat our results, even on the same human material, much less with mee of another race; I dreaded ridicule; and finally I was tormented by doubts as to whether the knowledge of mass-tel-

However, I am an oldish man now and, what is my chest. Besides, old men like sermonising and which I now feel I must take. The question I want to raise is this; Dr. Hawcombe attained to an unsurpeased power in a number of the applications of science-bert to what end did all this power serve? It is the merest cant and twaddle to go on asserting, increase of scientific knowledge and power must in itself be good. I command to the great public the obvious moral of my story and ask them to think what they propose to do with the power which is of those who labor because they like power, or hecause they want to find the truth about how things

quathy would not be a curre rather than a blessing

The RETREAT TO MARS



The second porty exceeded in tracking a silver as sense; the control of the contr

forty-five minutes with this seging" (2).

CHAPTER I THE wan had dinned below the western hills, leaving a gorgeous mass of color light arch swept up from the east, watching the shadows creep over land

Many times had I watched the setting of the aur and the evening shadows, while the measuito-

or plunged whirring downward upon their proy-Never twice the same that nicture held me, until the city lights sprang into being in the distance

As I turned away to begin my night's work the grunch of footsteps on the gravel path broke the stillness of the evening. An olderly, bearded man approached. He had come up the trail and I had Visitors to my little observatory are not uncommon. A few, those who show interest more than

ment, on the rare occasions when it is not engaged "Mr. Arnold?" queried my visitor as be aptried to get you on the 'phone today, but was un-

you here, I took the liberty of coming to see you." "I am just about to open up for the night" said L "and if you don't mind my carrying on with my work-"Not at all, not at all," he realled "I can talk to you just as well-that is, if I will not be in your

Having heen assured that he would not trouble me, he followed me into the observatory and watched while I opened the shutters that covered the aperture of the dome This done and my right-accession circle set I

turned the telescope on the first star of my eve-When I had started the exposure, and entered

my dear sir, if I ap-

hospitable, but I am

west for charring' I ex-Planned, "All I have to

star's image on the cli-

"I netword that you *(1) Spectrogrees. A photograph of the spectrum

He climbed up the observing ladder and stood beside me while I explained things to him. When

you care to take a look at it?"

"In this socing anything like it was last Novem-

"Apparently you have been reading my papers," I said. "No, conditions are not nearly as favordoubt if I should ever see other nights to equal

those four." "Yes, I did read those papers of yours," he re-"They are the cause of my presence here

this evening. I am Hargraves, of the Smithsonian Institute." I took his proffered hand. Hargraves was a wellknown archaeologist, though I must confess that I abould not have known of him except by chance.

On plancing through "Science Abstracts" a few had looked up the original, which had proved highly I admitted as much to him. He laughed, "We

work in different suberes, as a role" be said "but this time I am etepping into yours. That was a great fight you had with Kritsten and his associates

"Wasn't it." said L "The trouble with those chaps in that they do not know what good seeing in nights a year, none of which hegrin to commare

with our good nights. Then, because they have a fifty-four linch refractor*(S) against my twenty. four inch, they think that they are much better shis to see fine detail than I am. Let me tell you. power*(4) of four thousand and there was not the slightest trentor in the image. Had my driving-

> "I keew," my companrect. You may wonder how I-an archeologistplanet Mars, but I have a

I looked at bim in

ATIGARMENTA *(2) Sector. The amount of the observing conditions. For

AMAZING STORIES of travel. Famine, thorst and fever played their "I have made some discoveries that I think no one normal roller, with the result that my two white

over dreamed of. As you are probably aware, I communicus were get of the game before two years have only recently returned from Africa after a had possed. One died, and the other had to be excerted back to the easat, where he aubsequently I needed for in the paper I have already man "With a handful of native beavers, I pressed some startling discoveries in Africa as to the

origin of manicind. . . discoveries which overthrew previous theories about the origin of man, but the exact nature of his find was not to be made public until such time, when the records

"Durkest Africa" were fully decimbered. "Some years ago," he continued, "I became con-

vinced that the rise of mankind took piace, not "This belief thrust itself upon me as I was writ

ing a book which I never published; a book which the place of its origin, over than globe of ours. I amount of data which led, when I came to piece it together, to Central Africa, I thought must exist in my work, but the trail

"As you are aware, this was contrary to all earlier evidence, so I did not care to propound my theories without further recroberation. On conselting with the heads of my department, having the evidence before them, it was decided to orgardee on expedition to see if any fresh data was available on the ground itself.

"The expedition, a small one as such things go, was organized and led by myself. It was successtion. To you, however, I would like to show what we have found, the understanding being, of course, that it shall not be diveloed until my work is finished. Could you come and see me at my hotel? I will probably be in town for a week, anyway," "Why not come and spend temorrow evening with

So we arranged it

Having finished the spectrogram, I showed my companion what I could of my equipment and turned the telescope upon a few of the show chiects in the heavens, which delighted him immersaly After this I saw him safely started down the trail equipped with a flashlight to light his way to the

Throughout the night I could not keep from wen could be competted with the planet Mars. The

THE following evening found us comfortable pettled in my den. I was easer to hear him atory.

"I am not going to prolong my story with the details of the hardships of our journey' Hargraves began. "It is the usual stuff one reads in books

on with the search, following every clue and rumor, only to be disappointed time and time again. We moved slowly and laboriously through unexplored work other than that of the natives.

"I was laid up in camp with an attack of fever

when another rumor was brought by a native who had beard of our quest. This time it was subshaped piece of metal. This was, in form somewhat like a shockern and printed in two places with an uncenious form of ball and-socket loint. On other pieces attached to the central portion, which had evidently been snapped off. Where the metal showed its broken surface it was bright and grystalline in amearance, so that I undeed the

break was of recent date. At first I thought that for the surface was bright and shing. "Taing there in my blockets. I questioned the messenger through my interpreter, but I was assured that it was just as it had been found some years before. The metal of which it was made was unknown to me. It looked like steel, with a lustrous surface, but it weighed no more than an

that it was extremely hard; even a file would leave no mark upon it. "From what I could gather it had been nicked up in a valley bring some ten or eleven days' journes his tribe had ventured in on a hunting expedition area in question is looked upon by the local tribes as the abode of the dead, and it was only when starvation threatened, and hunger overcame their

fours, that they daved to nenetrate this forbidden "Impatiently I waited until I was well enough to travel, then we set out with the messenger as a guide. Gradually the character of the country changed until the swampy, fever infested jungle gave way to a rolling park like country. "Our way led steadily upwards until on the ninth

day we were moving over a verdant plateau which was alive with small game. My little pocket anaroid baremeter showed us that we were about four thousand five bundred fact above any level. That evening we carried at the foot of a low range of we should eater the fortoiden valley.

us at the extrance to a little valley bounded by low The hills on either side were gloriously green, betokening a generous supply of moleture, the narklike character of the valley being enhanced by occasional groups of a species of oak tron, and here and there patches of a flowering shrah whose scent filled the valley with a delicious odor. The bark of this bush, I learned, was used by the natives in list of tobacto, and it was not half had an a substitute, I can assure you, especially after one had been many months without the comfort of

"It was with the greatest difficulty that I perafter I had presented him with a charm in the share of a ring, which I had to assure him would ward off all danger, dod he consent to enter the val-

"Late that afternoon, we arrived near the spot where our quide had found this metal chuest. We made camp at once and I set out to survey the

"About a quarter of a mile from the camp the floor of the valley narrowed, hounded on the one side by a steep cliff and the other by a ridge which ran out at right angles from the southern slone This formation immediately aroused my currenity rock here, which kept the fired-waters of the atream from removing it. Besides, I was anxious

to learn semething of the guological formations of this district. "Attended by my guide, I walked down the vallay towards this formation. Sure enough there was an outcrop of rock on the north side, a hard limestone formation whose foot was kepped by the waters of the stream. Weding through the shellow water, we crossed over to the south hank

"Where the waters had removed the surface sail I saw what at first I took to be a rib of rock reaching into the stream. On closer inspection I saw that this was, not rock, but metal. It was acraping away the soil above the fleed level I ex posed clean out edges. A rib of the metal ran hack into the hillside.

WITH a sharp stake I probed the soft, learny soil and was able to truce the direction of this rib up the hillside for a distance of perhaps thirty fost, where the covering became too deep for my prote to penetrate. Marking the spot where I could last feel it. I skirted the cost and west sides of the mound with the hope of finding auother clue, but I could see nothing. "The tropical night shut down with its usual

auddenness duries my investigations, as we wonded our way back to camp, where the light of a fire danced and flickered in the evening air. How I wished for a bettery for my flashlight. The butteries, however, had periched long use in the steaming jungle air, and I had to wait until member "I know how you felt." I interrupted. "I expe-

rienced the same feeling last night." Harrrayes smiled and continued "That evening I set the boys to week to construct

serve my purpose in that light soil "Long before daylight, the camp was astir, and up the hillside, covered by some four feet of earth. "I now saw that it might save time to have a mound, so transferring two of them. I directed them to clear away the top soil, while the others continued to trace the rib up the hillside. "Two hours passed when a shout from the top told me they had made some discovery. When I arrived these they were clearing away the dry

over and we were on our way to the mysterious

mound. Setting the boys to work at intervals

along a continuation of the line I had already

traced out, the metal rib was seen located higher

scal from what appeared to be a flot metal surface. Calling up the other boys we were soon at work removing the earth from the rounded top of the "Little by little the metal surface was laid have,

showing it to be, not flat, but rounded with the exposed slope falling towards the stream. Late that spherical surface. Here a smooth wall dropped away at an engle of texty-free degrees with the size was also revealed. We laid have another metal rib which lay in a line with the first over

"Again night out short our work and tired out from exertions with my reimitive shovel I fell asless directly after supper, to wake and find the eastern sky reddening under the says of the rising

"Working down the convex alone we eradually a crack in the hitherte unbroken surface. As the soci was rapidly removed we exposed a circular plate set flush in the metal. Near the periphery and dis-

we rapidly deened out, showing them to be let in the plate at an angle of perhaps thirty degrees. "With the aid of the boys I tried to lift this cover, or whatever it might be, but it seemed to he as solid as the rest. A close scratiny of the edge, which was a little ranged in one place, made

me think it might be threaded. With this in mind I placed two stout sticks in the hales and attempted to me to try the opposite direction. Throwing my same on the other side I omaved to turn the plate care more. Suddenly we more both surreging on our hands and knees. The plate had turned. "Unmindful of my bruises, I jumped to the plate,

turn, rising higher and higher from the surface in which it was set. When it stood fully eighteen inches high we came to the end of the screw and metal aside. Subsequent measures shored it to be twenty-eight inches in diameter and twenty

"We had uncovered a bale some two feet deep, at the bottom of which was another viste. Arranged in the form of a square of twelve on a side

were one hundred and forty-free accelly speed circular holes, each one about half-an-inch in dipicked these up and examined then one by one.

They were similar in shape and size and were in "You can imagine my tourner to a year. Sac-

the form of a caretal letter T. Each of these were slotted across at various points, but no two in exactly the same manner, and on them were en-

"The thought struck me at once that these things so I tried one in a hole where it fitted snugly, Now, I soked myself, into which hole did each key fit. six keys, so there were evidently 1441/138! (1) using all of them. Out of more than eight trillion ways of doing a thing with only one of them cor-

rect, the chances are somewhat against one's hit-"You might hit it once in a million years," I lapobed, "if you could keep on trying that long," "Well" he continued, "I saw that there must be some solution to my problem, so I looked for a cine and found it. One of the corner holes was marked

while the one diagonally opposite looked like this."

He drew these figures as he spoke.

"On the place, above what I took to be the top 111+4+TTTF4 "After conving these down in my note-book, I

twelves, both in the number of holes and the numher of symbols, it might be possible, I thought, that the duodecimal" system was used by those who had made this thing. Following up this thought I saw that the symbols were, in order, zero to eleven according to our notation, beare the

ing holes and as I did so I felt the wards of the lock mechanism engage with the slots. Turning the keys as far as they would go I was now able to lift the plate with the aid of the boys, using the "It was thinner than the former one, being about a feet or so thick, and as we lifted it I noticed that

back into their sockets. (1) 1441 - 1381 Factorial 144 divided by factorial 138 is $144 \times 143 \times 342 \times 141 \times 140 \times 130 - 8,021,960,960,000 + 31 - 3 \times 2 \times 1$, $41 = 4 \times 3 \times 2 \times 1$, etc. *Courties by twelves instead of tens as we are accustomed rificing one of my few precious matches I leaned as for as I could over the hole. The restch hurned bright and clear; evidently the air isside was pure. platform. Taking a stout stick, long enough to reach it, I tested it carefully. It seemed quite strong and firm, so taking a chance, I lowered my-"I could see by the light that filtered in from

overhead that I was standing on a metal grating might be, had fallen over from the vertical and lay at an angle on the billside "Ordering one of the natives to fetch torches, I

I stood on the top of a curved stairway leading down into the darkness. Geaming the heavy handrail with which it was protected I cautiously descended. I noticed that the steas were absormally high as I went down. Later I was to know the as circular, surrounding a 'well,' "Striking another match, I examined the wall hehind me. In its surface I saw another sat of holes

similar to those in the plate we had removed. My steps and wriggled out into the daylight to await "Presently the boy I had sent arrived with a goodly lead of dry, resinous attrics that would bern

well and brightly. I lit one, and calling to him to follow me, I again lowered myzelf into the hole, carefully for fear of falling on the aloning surface. I walked around the gallery examining the place. It was about twenty feet in diameter with a five-There were four sets of key holes in the wall about

"The second gallery was exactly like the first and I did not stop, but went on down the last fireht of steps. This was evidently the bottom of the cylinder and. like the other two stories, its walls held the new familiar key plates.

"Going to the one on the lower side I examined it closely. Above the square of holes were twelve sets of symbols arranged in pairs, the first members of here pairs corresponding to the numbers on the

a number of radial burs on the underside had slid

corresponding new numbers, I turned them so I "Immediately, a section of the wall awang inward and there was a sudden rush of air which nearly autinomiahed the turch. The air pressure had been much less inside the chamber which now lay open before me, than outside, and the door was apparently airtight. No wonder I could see no sign of

the joint in my first cursory examination of the

"Before me, stacked around the sides, were a

THE RETREAT TO MARS by have warhour from foor to roof of the chamber.

each box bearing a number. Removing one of the vetalizing bars, which fitted into sockets. I pulled "On the front of this box was a lever-like handle

sound of air entering a vacuum. Turning the handle a final sigh and the lid of the box raised sufficiently

"The lever bad operated an eccentric which had sir. The lif was tongued, and fitted into a cor the groove was filled with a waxy substance which had made the joint air tight. I noticed afterwards

that each box had a filed hele through which the "Carefully packed in a substance that looked like fine steel secol serro a rumber of broad oblong cases.

about the size of a standard volume of the Encyclepedia Britannica," the topmost of which I removed It was of the same metallic substance that I had encountered all alone, and on its edge was a little knob set in a recess. This I pressed and a cover flow "It was a volume, and ruch a volume as the eyes

of living man power saw before. There before me was the most startling illustration I had ever looked unco. Instead of the usual lifeless fot things we The illustration depicted an animal or reptile-I the torch light like a live thing. I ran my fineers was not a model, or in relief, but it was as fiat as a table ton. The colors were marvelens, they had life

"At the foot of the ease in which the picture lay was a tiny lever-like arrangement. I pressed this over and as I did so there was a tiny whirring sound followed by a click, and the picture flicked out of sight, and was replaced by another,

"One half the page ... if I may call them pageswas occupied by this new illustration, the other half being filled with characters, evidently writing of some kind. Page after page flicked by at my touch, the majority hearing those wonderfully executed illustrations in three dimensions.

"BOX after box was opened, and each was found filled with these strange volumes. I carefully replaced those I had removed and closed the lids

of the boxes, replacing them in their tiers. "Where was I going to start in this place? I felt like a shild surrounded by nevel town not knowing which to examine first. Then it occurred to me that averything was arranged in a methodical manshowed this. Locking on the door of this cell I saw

hered ten, according to our notation. Number one "The air was becoming thick and suffocating with the olly smoke of the terches, but I made my way to here was much lower than in the other cell. I wan nearly averthrown by the author mut of sir that "This chamber was similar to the one below and in the toppoet row of boxes I saw number one in a coming unbearable. I took it out into the sunlight "It contained what I may liken to a child's primer, perfusely illustrated. The first volume was filled

this time. I bud the boy stand back with the torch

so that it would not be blown out. The recorne

with rictures of common objects, each with a few armbols at the sides. Trees, rivers, laives and mountains; hirds, beasts and reptiles, the majority second volume contained composite pictures-sireple at once that it would be quite easy for a man of average intelligence to learn this unknown language

with the aid of this wonderful primer. To one who was accustomed to decimbering old writings, as I was, the task would be ridiculously easy, "The setting of the sun drove me back to camo but not before I had replaced and locked the place, taking the keys with me "By the light of the fire I studied my troubles

that night. It might interest you to know just how verb 'to walk.' In one set of pictures a being was shown in the foreground, approaching a hill. The second showed him, bent forward, walking up the hill while a third showed him at the ten. The characters were exactly the same in each case, but over the first was an inverted V; over the second, sething; and over the third a V. The tensor were all indicated by a symbol above the work. The degrees of adjectives were similarly indicated, hence

"I sat and studied well into the night until weari ness compelled me to cease, but at down I was awake and at it again. Throughout the day I worked have work of removing the earth from around the cylin-"Every moment the eyetem of writing became clearer, until late in the afternoon I came to a lone sentence set out in large characters. A rough translation of it would be:

"WE GREET YOU. CONTINUE WE HAVE MUCH IN STORE FOR YOU "Here was a direct message, and a message that made my heart lean. If I had worked hard up to this point, I worked feverichly now. Who, I won-

dered, were 'WE'T "The following day another message was translated. It read

THE PROPER OF ANOTHER WORLD

eo on. This personal touch made me feel so though

"I cheeked my translation again and again, hat I had made no mistake. That was the reconing of

"As the days slimed by I came across more of

466 AMAZING STORIES there were some beings anxious for my advance. Gases shows that a velocity of anyon miles a second

"The days graw into weaks before I had mastered the larguage cufficiently for the purpose of those who wrote it. In the meantime the actives had progressed with their task but slowly, due to the poor implements with which they had to work. They worked slowly but homestic, on Lift and mean them.

poor implements with which they had to work. They worked slowly but hencetty, so I did not press them, for I could see I had rearths of work ahead of me before I even scretched the surface of the wonderful store of knowledge that lay before one. "We were truly in a Garden of Eden, for game and this herotide while child; fruits and hereise and this herotide while child; fruits and hereise

"We were truly in a Gorden of Eden, for game and fish absended, while colide fruits and burries acreed to keep down elclases, which would surely have followed a meet diet. In the way I was able to concerve cur note too plentiful supply of provisitors. The head boy was an excellent shot, so our amountaint was not weated as it would have been

visitos. The head toy was an excellent stor, so our amountino was not wasted as it would have been had we depended upon my powers with a rifle. The climate was almost perfect. "Eventually I arrived at the end of my primary

course and came, at the end of the last volume, to a message which read—First read volume one, case three. A complete catalague of the contents of the library will also be found in this case,"
"This wellume was soon secured, and without head-

"The valume was seen secured, and without heattation I plunged into it. It was written in a fairly simple style, and with the sid of an excellent dictionary I found in the same case, I was able to read right through. I reed it in four days, bardly sup-

the strain. After that I stockered up a bit and dismanual work at biterratis in order to get tone senssize. I will outline the contents of this volume to
you.

CHAPTER III

G. I UNDREBB of throunds of years bemanual to the contents of the strain of the contents.

mighbors in space, the planet Mars; in much the same masser as we have supposed it to do on this Earth of ours, oc that at the time this narretive was written civilization had reached a very high plane. The records show that they had reached

plane. The records show that they had reached what we night call the ideal catate. Every being was intelligent enough to work under what I might call a system of social democracy. "Every arember of the planet's teeming millions was an integral part of a smoothly working system in which po pravaite existed, for when one by severe

at water no paramete chances, for when ever, of eccess attribute freak, did turn up who attempted to "throw a monkey-wreach into the machinery" ha was simply externshaded. "Throughout the ages, while this epotern was alway being hull no the rece had here carefully

"Throughout the ages, while this costern was abowly being hold up, the race had been carefully developed by intelligent selection in mailing and every undestrable feature had been clowly climinated. The result was that at the time this narra-

both mentally and physically perfect.

At time wort on it became apparent that the
iif of the planet would be shortened by the loss of
air and water vapor. The gravitation on the ourface of Maro being much less than on the Earth,
nearly one-half as great, the gases of its atmosphere
would more readily assume. The Kinetic Theory of

of water vapor. This is the critical speed for seage from the Earth's stituction. How much more readly will the water vapor energe from a phone like Mars.

"Some scheme had to be developed then, in order to reduce this rapid energy of the planeth with field, if life on the phased was to be peculibe in "Warting analyses and the work after does delib-""Marting analyses are the work, after doe delib-

"Martian engineers set to work, after due deliberation, to construct gigantic underground resersoire lind with an impersion material. After nearly a thousand years' labor the work was finished

in these was underground storage basile.

"The conserve the precious Spind still further, that which was deposited as snow in the polar regions was carefully trapped as the summer som militied it. Huge subtervassan squedocts led it back estudor-waste, assisted by successors trapped as

plants. These confulls were tapped at intervals by lateral lines in order to empty water to irrigate the fixed drying surface, and at the time the record was written, the construction of an intricate system of conduits and pumping stations was well under way."

"And those cases, as Lowell called them, were the locations of the pumping stations, the https://cit.
livited.area.around them causing them to show age as black dots on the plunct's surface, as your observations showed.
"The promisent bloogreen markings on our

religibles in space are of a beavier not and are the old one beds. The lighter eardy soils were abandored, because of the large quantity of water neceseary to make them fertile, save along the lines of the canals. But to continue—

"With their highly developed increments the Martines had accertained that their neighboring plant, the Earth, was well seized to expect his failed. It secreted a vestelable had of promiss to indeed it secreted a vestelable had of promiss to indeed the secreted a vestelable had of promiss to indeed the secreted as vestelable had of them, reconstructed which resulted in a machine which would travel with resulted in the "Gridden's Essistance in the contract of the Gridden's Essistance in the contract of the Gridden's Essistance in the contract of the Gridden's Essistance in the Gridden's Essistance

eff; games fermed by the combination of certain edit d to d to d to see that statished to the after part of the machine projected it in exactly the same measurer on our abyrection are shall slot. "Wing-shaped members supported it in the air and the valenty was bid enough for it to fewer the

and until its violetty was high enough for it to leave the ind. atmosphere, while a second series of nousles in rea. the how of the craft retarded it when a landing had was to be made.

to be made.

"'A company of daring ploneers left one eventful
day to commonse the first interplanetary manigation
of our solar system has known, and after mornins of an
unermafful increase, handed antive on the Earth. An

unforeseen dieaster overtook thie adventurous com-

would be at a minimum. One where I found it, another semewhere on a continent over which the Atlantic now rolls, and the last in the continent which we know as Australia. This latter may yet

be found. The evilinders were scaled in the marrier I have described so that none but intelligent beings could wan access to there. They were so constructed that should they break they would do so midway

"'This placet and all their works were then above dened. Practically all other traces of their solourn have now vanished into dust, though here and there which they had used this remarkable metal, which

is, I believe, akin to aluminum."

66 D Y the time my cursory survey of the con tents of the library was completed, the

natives had succeeded in clearing away the mass of earth around the cylinder, so that I was better able to understand its construction and whot

had happened to it throughout the ages. "The walls of the object were approximately six better to withstand any great pressure to which it

might be subjected. The whole structure was of one searcless niece, unbroken save where the manhole spaced spokes, or ribs, radiated out from the cylinder rolling over as the soil subsided. The cylinder ameter. The arrangement of the interior I have

"Originally the structure had rested on the sur-

"Having completed my examination of the cylin der and satisfied myself that there was nothing

portant records to take away with me. The keys my waist and, packing the remaining trophics very "Eight mouths after leaving the valley I was once

the thing secret until an expedition could on to Africe and return with the remainder of the library.

I expect that we shall be hearing from them in a few months' time, if all goes well. "Among the volumes I brought out with me was this one." Hargraves said, reaching for the puck-

age he had brought with him. Unwentedne it he handed me a lustenes metal box such as he had described. I took it and pressed was the representation of a sphere. So real was the

the suring at the side. The cover, which I may liken to the front board of our books, flew back, There before me, apparently floating in space.

"'Undaunted by this failure they set to work to develop a race capable of withstanding the new conditions. After a lapse of nearly four bundred years. a new excedition set forth. This second party was mers successful than the first, and succeeded in founding a colory on the high platoau region where

timely fruit hodies broke down. Prolems of their

inner organs coused many to die in amony within s

to some axiant, the strain to which they were sub-"'There fest intelligent inhabitants of the Earth

were giants compared with us. Their average height was about nine feet; their lungs, which ware developed to accommodate the rarer atmosphere of Mars, were enclosed by a barrel-like chest, but their hisbs were pitifully thin, though much better

adapted to their new environment than those of "'As time went on children were born into this new world and new arrivals came across the gulf

every two years when Mars was in opposition". born here grew, it was noticed that their intelligence was inferior to that of their percuts. Bodily they were smaller and sturdler, but their mentality

lent to that of a Martian child half their age. anxiously watched. Excepthing within the Martians' power was done to check this effect, but without avail. Things went from had to worse as the second generation was born, for these were still farther from the bigh mental standard of their forefathers. Instead of highly intelligent beings, the

race was rapidly reserving to the primitive state. "The fourth generation was but a grotesque caricature of the original stock, and were already center of their community to wander at large over

" Everything within the power of the Martians having falled to alleviate these conditions, the projected plan was abandoned. Before leaving this planet forever, to return to their own sphere, it was decided to build a moreoment to their endeavors. so that as time went on and intelligence again returned to this planet, a record of their attempt, and data of the most useful kind, would be available to

"Two other cylinders, similar in every respect corrosive metal which would withstand the destructive forces of the elements throughout the ages until

intelligence again appeared. This period has been I can see from what I have read. The three monecatadyens of nature, such as flood or earthquake,

*Opposition A planet is in opposition reasest to the earth when the Sen, Burth and the planet are in the same straight less with the Earth and the planet on the same side of the

deatly the fall of the year in the planet's northern I recognized some of the principal features--Utopia, the Syrtis Major and the Pashoas Lucus* (1)-though there were other blue-green markings

denvited. Ulte the case it was of metal, and anbelt arrangement, passing over a ceries of small

taken there was a danger of the abeets cohering and being arreparably rained. Pressing the little lever-like arrangement at the picture flicked out of sight revealing another view of every portion of the planet's surface and then I came to a different type of picture me to a different type of picture.

It was an illustration aboving a pigantic engl-

star. At the feet was a wast hundring under construction, and leading from it to the foreground was an immune excovation at the bettern of which apparent aim was enhanced by the discipative.

Translation the board balow Warmans to form ed me that thus Hustrated one of the carals under construction and that the building at the fost of the lift boused the pursping mechanism which was to value the mater to its new level. This restigator piece of work was at what we call the northern

Pare after rage flicked before me on the pressing plens of districts and cities, and last of all views are well worth describing. Unlike our cancen like the hubbleses were percentiful in force, each story being smaller than the one below, with a broad ence

smare running around it. A raddish store second to be used in their construction, with a trimmung of

*(1) The reader is recommended to read "The Planet Mars," 'Maes and its Canab," and "Mars as the Abode of Life,—these volumes wrates by the lists Preferace Previous Lovel Lovelt, who observed Maes proposalizable for tensor on-technical language —The Austron

*(2) Observations have shown that there are no great ele-

which had a Rabutenian cost short it. Furry care, dently moving through the air above the ways be tween these massive piles, a bost of others were "parked" on the broad galleries of the buildings. This, Hargrayes told me, was the metropolis of

dult evens, well suiting the style of architecture,

lenged A faming Sun consued namilal Street a came to discharge their living cargo. A few were resting upon their cradles, taking abourd freight tant districts into conveyors which took it rouddly

underground. All heavy traffic was carried under-"To think that this was taking place half-a-will what it is like there now." "Some day we may leave," he resided. "They may have progressed but little and may be passively make it worth their while to communicate with unkind and the enes. We would not think of estab-Then we must not expect to hear from our neigh-

bors until we begin to approach their standard of It was late that night when my violter left, very kindly leaving the volume behind for my further perusal and with a arrowise to aid me by interpretme the accompanying text. Without his ald I would not have been able to make much of it, and would perhaps have some to many errorsess conclusions. The following days, with Hargrayer' posintance. I studied it thereughly, comparing the must with

I have written down this atory so that time would

not easse me to forget the finer details. Some day I was rublish it. if I can obtain accomission.

Postsorief... Since proping the above the remainfriend informs me that I am quite at liberty to nobtick this (which he has mad). At messart Hargraves, with a large staff of assistants, is engaged in the translation of the records, but it will be a long time before such a colonial work can be published. The expense will be enormous. The world has waited half-a-refilien years for this discovery.

ELECTRO~EPISODED in A.D. 2025 By E.D Skinner



sensation in the region of his upper the surpleion that some

uary 7, 2005"; which, with its "ap-to-the-minute"

the deek before him. This he swept to the floor practiced revelsion, a block bottle on a side-deal

head and the latter promptly proved his trained efficiency in the art of

"Shar you variet!--" He possed and characted for a moment at the

AMAZING STORIES

humor of the "run"-then he reneated leadly: "Show won variet, wake un! Lizhen t'me. You each higher on 'about, water up. Landell time, I've third of raise 'I' 'se abouds me more shtuff like thish. him fired. Thash schtuff kill 'mule' You tell'sh him fit I' schen'lemen's schiomach. Thash schiuff kill

The valet fixed one eye on his master, the other being blackened and fully closed, and answered "Yee, sir! As you say, sir! But, begging your nardon air the synthesian and more moderator that you should not drink any of that, as it was dangerous. He said, borging your pardon, sir, that the

early they make for the common people bed been sent you by mistake. He anologized most pro-Algernon turned on his valet in a fury. "'N you lesh me kill m'self wish thath schtuff?" be cried. "Thash schtuff kill 'mule." "Regging your pardon, sir," replied the valet, "I Aid object to the best of my ability. But you reing me unconscieus into this chair, so that I only

recovered fort as you stake a margarit and. That "Thank it! S'poison d'ranged in'lect. Thank schtuff kill 'mule. S'ton had! Here, s'take thinh!" And Algernon took a bill from his pocket and tonged

For a marront he sat existly as if in a renfound study, and then another idea struck him. "Shay you schripps! Whash shtaring t'me like owl for!" he said, addressing the valet. "Geah "Yes, sir! As you say, sir," replied the valet with absority. "But, begging your perdon, sir, the gentleman did promise to send another case yesterday; and, begging your parden, sir, I believe he

would have done so, if the federal officers had not For a moment Algernon stared at his valet in a words came in a torrest of choice but incoherent "Wharzat?" he cried. "Thosh-cure geth my

broadlesser! I seah there quick!" He passed a second for breath, eyoing his valet the while with maudlin profundity, and then he "Shay you menkey face" wentile, whash shinging

on 'chops. Use n'exte code. Tell reshoul achief t' call high dogs of my bosehlogger a' orga, Tell With a "Yes, sir! At core, sir! As you say, air ?" the valet obeyed promptly, and was soon

Well versed as he was in the art of "managina" the "female-of-the-species" in the infinite variety alda's "call," had accidentally turned out a masterstroke. She had "ridden her high horse" in the recent you, had founded a darter defence of his ished by throwing her engagement-ring contemptunow, and ready for a reconciliation. But he well knew that, if he would not be builted through life by his future wife, he must maintain the unner

cofted beyond a doubt that his figures. Expectation

delay in answering would have a chastering effect! THE row had started when he presented Emmerspecially-designed ministure radio receiving-andbroadcasting sets. His own carried the equipment in a small cold case in his west norket; while the wiring, the automa, and the steel frame which held the head-phone in place with microphone pendant before the wouth, was colled and folded in a time galden receptable on the optside of the rocket. The steel wiring was "Electro re-tempered" by a new propers which increased its totally should be bundred fold; while the corner was frut tempered

hand throughout the engagement period; and-his

by the re-discovered process watch her been a "lost art," and then "Electro re-fermpered" the same as the steel. So that, while of gossamer-like delicacy in appearance, the whole apparatus was in fact much atreasure than the old delicately-complicated, alternating "E.V.R.-X.Y.Z." wavelength, which the makers believed proof against duplication, and which they guaranteed against static within a radius of 10,000 viles under any possible conditions. The cover of the outer receptacle of his own set was in shape a gold shield, with a "caread-carle" engraved various or con-South Sea Island golden-nurset field on its face. for a decoration of European royalty; and Enmeralda had agreed with him that it was quite

Rat here was contained in the back of a "vert Oon" wrist watch, and that was where the trouble started. She wanted a favalliere as a decoration for her heaves! And growing sarcastic towards the last, he had admitted that that portion of her anatomy did need some bird of covering; but he had decied the offerent of the "levelling" blee for that special nursees. He had contended that both tures of her gowns, should stop at the "lines of currenture." He had soon bounded into a namenal tirade against a number of her recent costumes. and had called them "porture-frame" expossions;

because "Weey performed a similar function," in that "they merely furnished the setting for comba-That, as he had believed, had settind their area.

way of a realization of his "poture-frame" sarcarry, and the row that resulted had, this time, been been to no both sides—with her according the firmal "points" by throwing her engagement ring at his feet.

These, through the great "Efectro-visions!" dist

attached to his present ratio outfit, be had watched to his present ratio outfit, be had watched to his present ratio outfit, be had watched to the from our root in her readout section of the readout section of the readout section of the root is through the air, had checked when an aerial speed-cep took her literase aurihor and ranged her by sheetling the citation into the rear of her mechine, had seen her had on her own root had, a moroout later, had watched her "take off"

"Supped" her by shooting the citation into the rear of her mechine, had seen her had on her own road and, a mercent later, had wetched her "take of?" again in her large toesing hijsten and myddy grow into a tity speck in the western sky. Evidently his Remeralda was a higo-trung throughtheed, who meant business when her dander was up.

meant business when her danker was up!
For a brist moment Algorican made a profound
effect to solve the problem as to just how long he
should loop bor vasting helpers he arrowed her
"call." The nice adjustment of tiese to the particucurrent of the property of the prop

Instantly be acted?
Touching a spring on the gelden radio-receptable on his vect pooket, he caught the released framework in his hand, slipped the catch that allowed it to man into shape, and quickly adjusted it to his face. Then choosing his words carefully and grant

an attempted precision to conceal his thick tongue, asking:
"This you, Rum'alder?"
"Yee, this is me?" she mapped back promptly.
"Who did you suppose it was? Have you been given away any more of these 'mackal' radio sate

tricks on me with any other hussy, Fil make you wish that you had never been borst. If—" Patiently, and speaking more clearly than before, Algrence stopped the flow of words by interjecting

another query.
"Went an'thin' p'tendar!" he asked.
"Yes! I want help quick—right this minute," she
answered. "My keg is broken and I can't move, and
there is a naity but there on the leider mint over.

ray has a just reason as against an an and a the me year of our district where everylood knews me and page her the other lateral from the control of the con

timer-

"Shay Illern," he beske in. "If you don't bell where at I can't find you. The lin code."
"Ain't I telling you just as feat an I con!" she redected. "We been tailing you tan fast as I con!d make my tengue you ver since you finally answering, and you took an world loop time in movement, and you took an world loop time in movement to be me talk, and I think you are a breta, and I be fee talk, and I think you are a breta, but he know you are still drunk, and here is the location in

was not sober exough for the task in hand, so he qualchy ampped the braselety of an "Elicotric Regenerator around his wrists, sot the regulator at "2 seconds," lapsed into unconsciourness—and awoke at the end of that time an entirely different may, as the result of the univalent of two nichely

H 18 first move to awakening, was to reach for a butten in the deak before him marked "Pack-age Transporter"; but he passed with the movement half completed, as a look of pain distorted his

face. For a tromset be chapped both hands across the face for a tromset be chapped both hands across his forehead, recurring, in helpless minery: "My God! What a hands.re"

His helplessness, however, was only temporary. Turning to a differe run behind him, which bere the golden-inhid legand: "Pasteurized Water." he

possessionance regester resolutions which, we defigure in the mandpeopy base and a source drawer shot col revealing a number of collect cape, spoose and a box of tablet labeled "Papirablent—Spoosa Supar and a Direct Conse." Dropping one of these tablets and a spoon into a copy, the set it down on tablets and a spoon into a copy, the set it down on tablets and a spoon into a copy, the set if down on tablets and a spoon into a copy, the set if down on tablets and a spoon into a copy, the set if down on the consequence with a term of florithe plans, and the consequence with a term of florithe plans, and the consequence with the said pixel of our an all belt-

invisible needle-paint cancealed in the filtere crosmentation of the facest of the urn. This is present with his flopre and. Then be pushed a batton in the fances tabled "Het," and filled the ceffe cap at he membed jublicably to himself: "Some trick their You not your partnersed water' according to government consistence all right, but—to-b! You

naughty little needs." He eyed the dishisus looking mixture that flowed finto the cap for a samplicious moment, tasted if hopefully—and then, livid with rear, spot the stuff out and harded the cap across the room. Specifies for a moment, he controlled himself

the room.

Speechbes for a moment, be controlled himself with an effort; and then, with desperate haste, unleded a private drawer in his deck and opened It half-way to a wishble line. Pulling a cord hanging over his head, which started an electric fan polarisated which, in this precise connection, also caused a slight orificion into peace of the drawer to unfold,

revealing an assertment of crystalline-white and hrownish-looking pulls—he selected one of the white pills, pinced it in his mouth and crusched it betrees his teeth to get quick action, in spite of his regulant valety "Begging your service, sir," provegilant valety "Begging your service, sir," pro-

"Can't help it, John," he said. "This is a well emergence and I simply hope got to have some

"Monopolart-One Poll Meet" and hartily small

Refreshed and invigorated by the negrishment so seriously peeded, he proceeded to cuick, effective

Pressing a button in his deak marked: "P.T.", an americally ornamental filteres upon the ceiling package transporter. Pushing a butten on the recarrow of the transporter numbered; "2826." a book stamped with that number, premptly slid into his "Common School Edition" of "Webster's New Standard Dictionary" of the opportunit date of

"1912." He had chosen this as his and Esmeralda's Slipping the book into his "Lightning Code-dacinhorer." he teached the numbered love of its key.

Esmeralds in her message, and the delicate wire him the words: "Parker," "ross," "mount," and "McKinley." Remembering the "tiger" she had spaken of, he was puzzled for a moment by the and then he thought of the "Electro-visional" dial mored deficitly: "The skunks caught me napping

mechanism behind him he nicked two fine needlepoints out of a belder, preceed one through its gelatine weather at "Mt. McKinley" and the other into "New York City." Giving the globe a single revolution, the indicator of the "Lightning Air-line Distance Cakulator" promptly registered "1968 miles 264 fast, 00 Inches." Throwing the clutch of his

"Riscire-visional" into the "7970 mile" circuit. he outline of the twin heads of "Denall and his Wife" burely within the "W.N.W." norter of the white circle that appeared on the disk. Inserting a needle of the two mountain peaks, he took a delicate converwire and connected this with "Local." Throwing

"Parker Pan" replaced it. But, even with his microscope, he could find nothing of his Ermovalia Finally, in the lower and, he picked out a faint More of the lines deshing, disappearing, and flashing again and, remembering that also had bee was probably operating even yet, and that, there,

TOR a married the incorporate "time" ton-FOR a moment the incongruence tager rented him, but he figured that she, in her exi-

restly expressed a rimmer at a mountain goat, or

Having successfully selved the problem of his Esmeralda's whereabouts, his next move was to aptiv to the "National Agrial-centrel Russau" in Weshington for a special permit, with "right ofway," for an "Electric flush" transit to Mt. Me-Kinley, Alaska, between the 20,000 and 22,000 feet

thing. On the face of things, it looks like the narcotics are the only remains stuff left to us be the The look of pain that had distorted his features quickly disappeared, and in its place there came the

to "20," back to "15," forward again to "2," back to "1." again forward to "3." back a full revolution and a streeter segment of the four upon which the

partment filled with scaled time of tchacco, and a varied assertment of popes. Filling a "briar" from a half-erenty tip, he adjusted the natest "Smoke Consequent a proched a brotton in the dealy which cansumer," posted a notton in the next which vented external detection of the felonicus act, "lit earway contrast of an auticipated joy realized, stole

with their 'Anti-coffee low all right, but I was and I prepared myself for the " Then with chear-headed precision he proposeded Instructing his valet to make careful notations on a tablet to avoid mistakes, he dictated: "As roon as you are through with that boose-pro hibition officer, protern a measure in code for this white-livered rat who sold me this trick (pointing "Coffee Extract' he stong me with, and crodit its cost on my account. I won't pay for it. Tall him

to send me at core one vallen pressine contents extract of Mocha coffee, if he has it-and be sure Mocha, tell him to get it as seen as nossible; and to the mounties he shall soul me one off of any gramme (amplianies that 'grander') coffee get the grawise through-on he probably will, was rice!"-dell him that I know positively that he is nesselve done through if he worth has and that I will set the federal officers after him, and see to

is dealing with Alegreen Sidney St. Jehnstone and slain words, that he was subsarly honers—and so, the regulation manner, he pulled a gold case from straia, with return privilege "ander his own power," starting "three minutes from moment of application." He also demanded photographed copies of permit and successary orders. "Formis, etc., sourcely needed at that attitude, especially so only one other Electric fluids' michight yet only one of the three-three three three permits and the success of the successary of the control of the successary of the succe

ret in existence; and that—," the circk attempted to expressible.

But Alpernon peremptorily abut off the singuish cherks remeastrances.
"Out advise-stuat about what I need," be broke

this modes start about want I wood, "he move that the control of the control of the control of the child. Do you realize when you was dealing with New get busy, and SNAP TO IT!" And, recting in his "Electro-visional" that the magic of his name had produced instant "mapping to-di" activities on the part of the clark, he conected up his "Bull Discrito-photographing" camputed up his "Bull Discrito-photographing" camred up his "Bull Discrito-photographing" camculated the name of the departure.

Blipping the plug of his "Radisphene" into the
"E V.R." sevelongth socket, he mapped the framework of its bead phone and microphone combination over his face, and called softly: "Charlie Great

work of its boar points and micropiece contenttion over his face, and called nofly: "Charlie Great there?"
"Yep! This is Charlie speaking," his broker's voice rapiled, with tense concent of weeds. Recognizing the voice, Algarmon's next question

was to the point.

"Anything doing on 'change?" he saked.

"Quiet as a 'chink' funeral now—just over flurgy," his broker answered. They weeks are running.

bendent Prediktet zur abei untfluener ein M. Modenstel-derfür Zubinal Lassenferennet. Mit Modenstel-derfür Zubinal Lassenferennet. Die Meistelle der Schaffen der

planned deeper but afraild of corrollating ethe chails. Two days later old Im. Mandendal and Rid deals. Two days later old Im. Mandendal and Rid Jenkline (head National Bottleager Trust) settled squalible about Jim's demand for more desay that the 'widenne' sparinet Lippinout' was 'bott,' be was threed looss, and 'N.R.C.' fraited back to mercal. With stere can unload and clean up about two millices, or can hang on—fruit as you say,"

Hens, or can hang on—just as you ney."

Turning to one side Algerman slipped a sheet of paper site, and switched the connection into what locked like a completated development of the original typewriter; and then regided to his broker.

"You did dra, Charin," he said, "Don't farrest

"You did fine, Churhe," he said, "Don't forgot that you double your requise percentage when I am 'off the reservation'." Then, after a momentary heretation to consider, he continued: "Tell book keeper to read statement into gravate radiophone at

if nething uniference happens. If you raid not call on regular "NA", but no freighthmen! If you blink it hest to look for me, once over here and me my "Electro-violonia!" Will probably be in adulthorhead of Mt. McKlinky in 30%-onite circuit and "NA". Seeker, Good-kayer!

As Algermon ceased speaking, the silvery "ting" of a little ball on in "Ribble Sketter, photographing" cancers satisfied him of the records of the first photographing cancers satisfied him of the records of the photographing cancers satisfied him of the records of the photographing cancers satisfied him of the records of the photographing cancers satisfied him of the records of the photographic police of his generation premit and me.

problem's enteres satisfied has of the recojar of the problem's entered in the control of the discontine the errections of recojar should while the discontine disaphonory-wavely* state that the late is least, and disaphonory-wavely* state that the late is least to the control of the late is least to the late of the late of the flow covert. But he studied by the control of the flow covert. But he studied by the covert of the late making of the words. Thus, reflective that the realizing of the words. Thus, reflective the late making of the words. Thus, reflective the state of the covert of the covert of the covert of the state of the covert of the covert of the covert of the state of the covert of the covert of the covert of the state of the covert of the covert of the covert of the state of the covert of the covert of the covert of the state of the covert of the covert of the covert of the state of the covert of the covert of the covert of the state of the covert of the state of the covert of the covert of the covert of the covert of the state of the covert of the cove

Going to the largest of the hangurs that dotted the roof, he pushed a botton-and the door flaw corn and a elistening "Electro re-tempered" corner monstrosity trundled out on a truck. The best that could be said for its shape was that it looked like a gigantic beer bottle. Stepping to the mostle of the "bottle," he pressed a button, and the stopper flow out with a load report. Entering the narrow passage-way through the "neck," he switched on the electric lights and found himself in a specious, tempered-glass compartment "blown-into" the itself with a vacuum space, and with the few necessary contacts elaborately (nanlated. A vank at a lever started as "Oxygen Supply" apparates (already not at "One Person") going, and a touched button caused the "stopper" to fly back into place with another load report From a mahogany wantrobe he took a bear-skin

for nult which was lined with finely-serven copperwire cloth. Stepping late this, be at the "Interior Heat Regulator" at 65 "Pabrochett, adjusted the connection with the concessed sterage pattery, and pushed the apring which cusued the auth to "raupto" and fasten.

A shifted lever on a large keyboard set the "in-

terior Temperature Regulater" of the compariment going at a "G5" adjustment, another started the "Electro-visions." a third connected a small dyname with the "Atomic-energy Reservoir" and started it supplying the comparatively triffing eletrical peeds, a fourth comparatively triffing eletrical peeds, a fourth comparatively artifling eletrical peeds, a fourth comparatively artifling atofifth released an electron of atomic-energy from the basin stom into the "Mount-energy Reservis" to maintain the parity of the supply. Scattlag hismail is an updatered classif, he prepared for quick and declaws action. With one hands he polled down the "Helicopter" liver, and heaving the "Electro-visional," saw a large, "Electro retempered" state leadle electrow-with a device with a

he politic dress the "Richoppers" lower, and, through the politic dress of the first state of the control of the trappers" data ladii evidence-with scale state with a "arraw" fully feet deep in the proove, shoot line turnless is better and began is accoss downly. When the "Africade Indicates" registered "Dio When the "Africade Indicates" registered "Dio device and finished with a runk. A "20,000 Feet less shad the bickopter down to "Madistances of Author's great, paged a fewer which remissed is Africad" page, paged a fewer which remissed is the politic and full paged "In Brevence," yazabat this return of "12,000 Feet," and come a fail hope at

Turning to the "Electro-visional" dial, he throw the clutch into the "M720 Mile" circuit, slaked out the faint outline of the higher reak of Mt. McKinley, and stuck a needle-need into it. Thus he connected, by means of a delicate copper wire, with "Lord"-which he knew was persumently conrected in a simpler manner with the gigantic dynamo at Niarara Falls-set the regulator of less "Risatrio-dash" at ".017 Seconds," pushed a button which shut off the believeter, wasked back the lever which collapsed it into its overhead postet; and an he heard the heavy copper piates being that over all he closed his even and trucked the deal butter Then, in upite of all propagations, he was married blinded by the vivid Mahtning that enveloped the extire muchine; and, notwithstanding the intricate avalon of "Shock Absorbers" he thought for a moment that he had been yanked in two as he was shot through space at the rate of 180,000 miles per

going full speed "In Reverse."

(Dessing his cyts with nerves tant for the cracial
mement, be reached for the "Plans where
with one hand, and glanced at the "Specimenter"
for the indication of the moment when it would
be safe, and measurary, that he throw-out his 15plane-wings of "Electro re-tempered" steel with a
"growed" of one hundred and firty feet.

Then, suddealy, the dual peaks of Mt. McKinley appeared directly in frent of his "Elicito-visicasi"; and, throwing caution to the winds, he yacked-down the "Phrae-wing" lever, and heard the rattle and burg of the adjustments, and are that the apparaiss was withstanding a severer test than it was reconstant for

And thus, even as he belied, the higher peak of the mountain appeared directly undersacht, and, the mountain appeared directly undersacht, and, the mountain appeared directly undersacht, and the peak of the state of the state of the state indexes a state of the state of the state of the tail' at a thurn right-apple ontaining a spill by a fraction of a lame-drived another lever while tipped it into a practically-perpendicular "sone dive," snapped that lever hard again and righted himself, aboved-down the helicoptus lever and standard the business while she to order a wardevice when we will be a substitution of the little and a substitution of the little and the lit

A GLANCE at his "Electroviticins" showed that he was preside vith and but a few feet away from, the top of the tilff above Parker Peas, and the first thank he saw not Econoralide's biplione with its nose barried in a cake of fee. But its ligar-leaves in the residential production of the properties of the reserving procedure, and the near "specificials" revealed the details below. Directly based to reserving the production of the production

described in above kinzenia insignili whoserepel on expected stated, and till did in the "jetture frame" costume which had exused their row. A glumps at 10 "Rickerler Temperature" indicates which registered "40" lettor new," council a factbolish registered "40" lettor new," council a factle of the property of the property of the "franks of the species" for fasting virinty bates in scartly stitte, quickly chanced his fears away, and to turned his statement to the direction indicated by and these TO AM ARIGINITY CHENCAPUTY.

auther mendhen; seed, portsettlementing the interests in E. DERCOTTERED THE FERGURE OF A. MOSC "symbol or "libro's Absorbers", be thought for a "STORD MOYAL BERNARD, ATTORD ON THE animent that be had been yached in two as he was LERICEE, ABOWE HER, WHICHE WAS PROBLED IN CORNEL OF THE WAS ARRIVED FOR THE WAS ARRIVED FOR THE STRICK, FATAL OF THE DEAT PRINTS, FATAL OF THE PRINTS AND THE PRINTS AN

"Landing" lever of the helicopier, gradied the parashtet, pushed the latton which "unstoppered" the "bottle," and jumped—making the descent in "recerd" time, but leading so violently that he was button in the more, because, in his panic, he forgot to pull the string of his parachate until he was two-thirds down.

got to pull the streng of his parachete until be was two-thirds down.

A momentary fear of being amethered in the anow, was followed by a spans of skilled "football' testics in "Socking" and againsing his way one; and financies frontially towards his belowed.

yelled at the top of his veloc:

"Essecteda! My darling! I am here?"

With the stately grace of a real "blue-blooded"
suffected, the royal mades turned majoritedly,
and frees the heart within him with a frigid glare—
with as only these with fure congress of me.

—much as only those with four contaries of unased "Marginers" holds in their veins, can hope to aspire to.
"Your processe is sufficiently perceptible," she said in measured stone, "to preclude any necessity for such builterine confaint, in the future, when we are alread together, it will please one greatly the processing the said builterine the said of feating them at home, they, would require to feating them at home, they, would require to.

murmuring as she lost consciousness: "Algy! My darting! My savier!" For a lotef moment Algernan pressed the inani

wisp of her hair so it floated in the breeze against Onickly he pulled his "Ricetrie Automatic."

aimed carefully at the heast's heart, and pressed numerat odor of burned hair-but the brute shove ness of the assault! Nonplassed and damfounded. Aleernon rolled

studied the perploting phenomenon closely. Then at last a ray of light penetrated his brain as the memory of a forgotten incident recurred to him. and he mentally connected this incident with the enigma above. Realizing the simple truth at last, top of his voice in unrestrained glee-until the dormant echoes of the "Great Salent North" awakened from their age-old slumbers, and an avalanche of snow was loosened from its mooring on the opposite Algernon had remembered that, some six months

before, a Boyal Bengal tiger had escaped from "Barnom and Bailey's" circus, while it was abouing at Des Moires, Iowa; and that the efforts to reporthern wilderness. This, then, was that tiger! Happening in the neighborhood and naturally in a femished condition, a scent of Eumeralda had But, as it stole out onto the ledge for the final fatal spring, being unused to northern temperatures, the And then, just as all his troublet and worries seemed to have vanished, the "whir" of an airplane engine turned his eyes upwards; and, directly over-

for a landing.

With frantic energy he shock the mesoscious form that reposed in his arms, and shouted into her ear at the top of his voice: "Estneraldo! Darling! Wake up! That Parity

aroused me; and, as if it were an scho of my dream,

voice in my car, shouting; "Wake up you, John Henry! You're sporing like a horse! Haven't I told you times enough never to sleep on your back? Turn over on your right side! sleep, too! Who's this 'darling Esmersids,' any war? If I catch her menkeying with you, I'll scratch bor eyes out! None of your lies, now! There wasn't any 'Esmeralda' in that pictureplay we saw tonight, so you hetter not try to spring agerthing of that port on me! Why don't you-" But neared by my rude symbosing and not feeling well anyway, I stopped the verbal torrent by

"If you can't be satisfied with marging at me about nothing all day, but you must go waking me up in the middle of the night to keep it up. I'll move into the snare room, and let you sleep by yourself," I threatened, "Beridea," I added, "you've put me crowded clear off onto the bedrail, and no-Mary Jane, my wife, was contrite and very hum-

age her properly when I really want to, "I didn't wake you up to upe at you, John," she said penitently, as she asurgied up to me and reached out her hand to carety me. "But that stuff to beat the band for an hour, and I just know that right away. I told you that you were bottling it anything You'll just-" "Well, If it's going to 'pop,' it's going to and that's all there is to it," I broke in petulantly, "If you think you know so much more about it than

see if you can do any better. Now move over and and give me a chance to get a little sleen. And as my "better-half" squirmed back to her own side of the bed, I turned over upon my right League' sleuth has found us! He is sure to be one side and slent fairly wall for the rest of the night.

The ULTRA-ELIXIR of YOUTH

Ву А.Hyatt Verrill



"I will abrick to an indust in the circles I have us, in the makeper critical thing I have worked. Me braid is will disk and filled with the discipling of a price analysis, so when the widedisk with the discipling of a price analysis, so when the widedisk with the discipling of a price analysis, so when the wide-

our from Dr. Henderson. It was therefore assured

of age. In many lands and in many ways men bays devoted their lives to a reality. They have concected weird mixtures or elixirs, they have wrought spells and practiced magic, they have searched in strange lands for a

ROM time introcorial manking has

to learn that one man actually accomplished his less centuries. Moreover, his discovery was made recently-within the past three years in fact, while more astonishing yet, the secret has been forever

Now that the man responsible for the results can tailed explanation of the means whereby the conditions were brought about, there is no reason why Undoubtedly many of my readers will recollect

the excitement caused by the inexplicable disanand prominent Mologist of McCracken College,

ber of the University studente vanished, as well as As a great many more or less conflicting accounts were published in the newspapers of the time and

well to give a brief resume of the counts for strange as It may needs line material for the

or rather, I might say

bearing upon the disap-The facts in the case

well antablished. Free students, two reivate officers, an instructor and a female doctor, together with Doctor Headerson, completely vanished without any apparent or determinable reason. The investigations which followed, and which oddly enough were only instituted after the disconserance of Dector Help-

also established that all had been very friendly and that they had frequently met, apparently in secret, to Dr. Henderson's laboratory. This, however, was exception of the two citizens-ore a merchant and purely adentific affairs, although why the guarientific merchant and banker should have been present, or abould have visited Dr. Henderson's laboratory, Had Dr. Honderson not vanished, it is highly ing away with the others, but so he, too, had dis-

any apparent reason for vanishing; not one was in debt or involved in any seands), and no one could ing to marder them, for with the exception of the nersons, but conducted senctically all of their busi-

NALLY, and making the case even more haf-Final Ly, and making the ten were found intact though carelessly tossed saide. The students ments of the merchant and banker were discovered In their projects offices, the lady obversion's garments were in her office, and Doctor Henderson's

tory. No one who was questioned, and hundreds of the last person seen with any of the missing people

one could remember havother person with him MODERN science is deeply immersed in experiments to temp forth the Elisie of Youth Compiler

when he was last seen. inc. after striving his best to revisualize the weeks, stated that he was he had seen a young man

-a youth of fifteen or leaving the doctor's inhoratory on several occasions, but he could not be sure whether or not he had ever seen the scientist in the young fellow's company. The servent at the home of Dr. Elvira Flags, also was hary in her memory, although she, too declared that she had noticed a young man, and agirl of about the same age, who frequently entered

Flagg she was not sure. As the office boys of both police at once began a search for a stripling answering the rather vague descriptions of the several witnesses. No trace of such a person could be found, but, to their surprise and confusion, the cartanker. Nothing further was discovered, and the entire affair was given up as an unsolvable mystery. Daring the investigation however, evidences were

by the missing parties. Just what these were, the tile crimes. Gossin had it that persons had been questioned who invisted that they had beard the cries of infants insuing from Dr. Henderson's lab that it was their belief that the scientist and his ments or had actually subjected them to vivisection. ten had had good reason to disappear, being, as from the worth of the public. Indeed, rufter and couch soon linked the names of the ten as members fices and what not. And the settest of the police in bushing up the matter and abundaning all efforts

to asky the western only confermed these priv ru-But like all other mysteries and scandals, the matter soon lost interest, and within a twelvementh College in which I was offered the position of Profence of Blology left vacant by the disappearance

had an excellent position, and while the salary at celving, yet it did not offer the scope in research ed the former Mologist's disappearance, and having been well accominted with Dr. Henderson when we seven students together at Delmore, the effer scenareason, I had a feeling that I might be able to solve

I therefore accepted the position, and, a few weeks leter, found myself in passession of Dr. Henderson's laboratory, instruments, notes and armershoes. I am not superstitious and are not nervous, and I have never been subject to hallocleations or when I took charge of Dr. Henderson's work and able feeling of being in the presence of others, of being constantly watched. At times this aspention became almost unbearable. Several times I found myself involuntarily stepping aside as if to avoid

ulens. I was no believer in chosts or enterts and

I decided that it was merely a psychological matter,

ogist had used them last; drawers and curboards up the blace I wondered how the police could have litmus paper, and other rubbish in a closet I cave knocked me not. White was to fast a bundle of in fant's parments, rather mussed and soiled and evidently worn. For a space I sat, gozing at the time garments with a strange mingling of borrer, dis-

been true after all? Had my old classmate gone

ficed an innocent child on the alter of science? If

itself? And what had been his relations with the others who had wantshul? What ferrible thires

had occurred to cause them all to disappear? Surely

of mastery which personied the place. Honce I

laughed at my own sensations, called upon my su-

person mentality to govern my subjective nerves,

and proceeded with my week but throughout my of short duration-I never overcame the decidedly

My first act upon taking peasession of Dr. Hen-

a thorough search of the premises with an equally

therough housesleaning. Dr. Henderson, like so

many scientific men, was unfortunately far from

atus, formule and chemicals had been left in dis-

I thought, no matter what events had led up to the culminating destruction of the child. Dr. Harder, on must have made actes of it correspond. What over he had done had beyond doubt been done in a wistaken, a warned idea that it was in the cause of science: that the means would be justified by the recorded his theories, or the results of his experiand, abandoning all other work, I sought diligently some scrap of paper which might explain every-

Of course, I realized, there was a possibility, even a atterner chance that he had destroyed the notes or had taken them with him. The very fact that he had disarranged, together with the others who I no had encappeared, together with the others who I no lenger doubted had been implicated with him in the crime, proved that they regimed the encruity of dence or records. But the fact that the garments stepping upon or bumping into someone, although that more conclusive pecofs might also have been the room was empty, and once or twice I actually courlocked Moreover Dr. Henderson as I had started and abbreved as I seemed to feel hands discovered already, was extremely absent minded in touching my limbs or body. It was, of course, ridio. ordinary matters and he also had had a habit of jetting down notes on anything and everything that

come to hand. Hence, I resecued, even if he or the

propored foods, a nursing bottle, sufety rims, a rattle, various other objects requisite to the wellfare of small children, and, what seemed to me most important of all, a square, rather thick book which, inmediately I opened it I discovered was a disry.

stray notes which would throw light on the matter.

phic-like writing of my producessor and examining

hours my offcets were fruitless. At last, when I

nexteries. The first entry was dated over three years back, but a short perusal of the pages proved that the diary had not been kept regularly or connote book then a diary, and almost fewerishly I turned the pages, glanging only at the occasional antry was September 14th, of the current year, only a few days before the disappearance of Dr.

self to the task of reading the values page by page. A ND as I did so I become more and more as-tounded at what I found, for the indeputable evidence of Dr. Henderson's writing proved that

the vanished biologist, whose whole life had been percetual yeath. "I see no scientific reason why organic matter

ficial or due to the abuse of nature's laws. I have me. If we admit Einstein's theory of relativity

of things the infant is as old as the senile centenarthing as old age. Growth, yen; the building up of tinspen by cells, was but the healthy, normal cell of

seedling plant. Scientifically endless wouth or the arresting of cellular decay may be impossible, but so many known facts refute scientific possibilities that I am beginning to lose faith in selentific laws."

tical immortality could be achieved. And what tremendous accomplishments reight be achieved by a scientist, an artist, any intellectual man, if he was of years; if for a contury or more be retained the status of the prime of life. "I believe this might be accomplished. R. (I had already assumed that Dr. Elviro Flace was the E

study living beings in all stages of cellular decay or down through various causes. Her observations are as valuable to me as are my biological experiments to hir. Several of my young men are also wastly affair as to select one's food or method of convey-For several pages after this last entry Dr. Hen-

and I began to think that his observations had been wholly theoretical, and that he had not surfacely considered the matter. But in this I was grossly mistaken, for once again the subject was the scientific and the scient "I believe that we are on the way to solving the

matter when caused by the lapse of time," he had written. "A regrettable accident has indicated the when naming over the village of Emerge. One of son mentioned a most curious and interesting phenomenon which has occurred where the accident took place. The health of the residents has greatly

evenight, and some ancient and dying trees have shown unusual and most astonishing growth-putting out new shoots and fresh leaver. I have visited Emerica in company with E, and have writted all there statements. Vegetation is far more luxurient in the area about the village than elegwhere, and E. the QW our with which the airthip was infished was the direct cause of those interesting phononers As workers in the Isboratory where this gas is menufactured have exhibited no signs of similar effects, we can only assume that the emplation, which has so for been inexplicable, altered the gas in such a

has the power to arrest the raymens of are and to upon the matter of arresting decay and producing cause rejuveration in organisms. Unfortunately so-called perretual youth. I judge several of the the composition of QW is a closely guarded accret, young men were intensely interested as, after the

I was now as deeply interested in Dr. Henderson's vernatual venth. The destruction of the Colorest

doubt the truth of Dr. Henderson's statements reaster But, I ressoned, this might have been due ed. Was it not quite rossible that the cas, or the compounds arising from its embesion, had acted as a fartilizer and had thus caused a sudden smort of vegetable growth about Emerson? And was it not equally possible, and even reasonable, to surnote and the shock of the explosion had caused a peryous exhilaration or had acted as a stimulert to the incommunity, which would, temperarily, give them new vigor and a false rejuvenation? Yes, unquestionably such was the case, far, I reasoned had the effects been lasting, had there been any marked and

UCH thoughts rood through my brain as I pe S rated the succeeding pages of my predecessor's

"E. has solved one of the chatzelea." it becan. "Among her potients is a Mr. Burks, a wealthy merchant who is under a does obligation to her. She has mentioned her desire to arrows some OW over friends he can secure some. If we obtain this I explosion as occurred at Emerson, subjecting aged he to obtain the same effects. QW is theoretically non-explosive, and I am your departing all my snare. time to solving the problem of why the Colossus shown prusual ability in chemical research work and received his degree in that science last spring." too much of his time to permit him to make regular entries, or else nothing important coough to tran-

was dated nearly two weeks after the foregoing,

"There is now no doubt in our minds that socalled are may be arrested," be wrote, "My experiment, 612A, has proved thin. In a way, the crulasion was rather dissistrous, for it destroyed much tross. However, he is rapidly recovering and E. injured tissues are healing is due entirely to the

affects of these are incredibly rapid, for despite the fact that owing to the unexpected violence of the effects. We both have more vigor, greater vital force and greater clarity of thought than previously, less of breaking down QW we can upquestignably "It is a great nity that prispos is so havenered by

effects of the unknown chemicals released by the breaking down of the DW gas. Extdently, ton the

perfect them, it will be necessary to secure large tunes. Neither E., Montroes are myself passess sufficient money, and to solicit funds from the university or from others would be futile. We would be acoffed at if we divulged the purpose for which we require the money. I fear we will be furced to shanden further researches in this direction. What a pity, when the results might be of such incalculable

Again there was a lapse, until under date of July 5th was the following: "Montross has payed the way for earrying on the experiments. His uncle, a Mr. Redfield in a wealthy banker whose observing has Montrees, that he much give a million if he could retain all his faculties until his death. This gave he related what we had done and suggested that light his uncle was intensely interested and exthat he might be a witness of our experiments. I have agreed to this, as had E. Her friend, Burke has also been taken into our confidence, and five of my students have been callisted in the cause. We have agreed that what we do must be kept to our solves until we meet with success or failure, and an society. We have no desire to let others know what we are doing or to let the press reporters get hold of the matter. Hence we meet more or less secretly

"Montroso is entirely recovered and is working diligently at his chamical preparations. Burke, by managed to secure the formula for GW. Political

more and more fascinated by the revelations of this intimate fournal of the missing biologist. Already un. The band which had Balcod Rucke the hand millionaire hanker. Dr. Flage the fernale physician

"Montross has encoreded. He has separated over gas. Among these is an entirely new element which the key to our success. Even if we fell, the disand Bedfield are fairly crazy over the work. The

my wife. If we succeed, the vieta before ne is too marrelous to realize; endless were of perceptal youth together; never to grow old, never to lose of our appears from the world. We have around at length on this. Burke and Redfield were at first

money-making opportunity in it, treating persons for fabulous sums-millionaires he stated would nav anything to rotain their youth, while Redfield argood that if no one grew old the world would soon bewever, pointed out that even if we could prevent the reviews of time we might not and ambable would not be able to present the raysom of diseases nor fatalities through accidents and that, youth being more impulsive and reckless than maturity. themselves of the trustment. Mortmes also minted intellectuals being able to earry on indefinitely would more than effect any dangers of overpossis.

which might arise. He himself he stated would devote his entire life to producing artificial foods, thus reducing the areas espectal to erowing cross and bousing. For my own part, I declared that it that we would. I felt sure, he heartily sick of youth

of us believe it desirabe. Burks is a devent Reman Catholic; Redfield is a pillar of the Episcopal showh: E. Is very religious and a member of the

to forego the chances of such a statu. Moreover, rone of us, with the nessible exception of some of to accomplish anything in opposition to the will of God. To provent the visual ravages of time upon the system would, we all arros, he no violation of Nature's inecorable laws, whereas immortality of things. To increase the span of life, and to re-

whole I profess to narticular religion 1 am a firm windom. I believe, too, in a future existence of some

"We have carried on were extensive tools with waricus organisms, both vegetable and animal. We find num is the active principle, but we have not with an unexpected obstacle. While the lower forms of life respond to the treatment and become rejuversted for weath, should be compelled to shorten his exist. erce, to fift, like a hatterily for a brief space and then die while in the possession of the vouth he sought! Perhaps, after all, our lives as they are,

desired effects without the unfortunate woulds. . .

"WE have bit it! Purely by accident we—for I must give credit to my assistants, and excecially to Burke who is the last mun in the world one would expect to make a discovery - -- purely by accident, I say, we have solved the problem. To while away the time, Burke brought a radio receivcontaining the organisms treated with Juvenum was close to the set, and whereas all other treated radio set cordinged to five and thrive with remark. able vigor. Burke, odfly enough, was the first to notice it, and called our attention to it. Johnnon, sesses an intimate knowledge of the appearatus. He declared that the electro-magnetic waves, or the electrons from the tubes, must have been instruceeded to experiment along these lines. Unsugestionably Johnson was right. Organisms, both animal and vesetable, expected to the vacuum tubes action and treated with Juvenum become relays. expire rapidly. The question now is, do the retion after a certain duration of exposure to the tubes or is the action of the radio correy essential

in order for them to exist? . "Percetual youth is within our grasp! Once orto the vacuum takes' action, they retain their vigor would have died of old age long ago. We are now life. Temorrow we shall treat rabbits and gunea. nies, some potted plants and some birds. Montrosohas an ancient toothless dog of which he is very fond, but which he must destroy very soon. He is to try the effect of our troopment upon the heast. E. has offered a parrot which has been for many

extreme age. Johnson facetiously offered to ateal local troller line. We are all so elated that such nonsense is forgivable, and we are all terribly in earnest and are under such a nerve strain that we want find an outlet for our feelings. That we are

instions of the cells and tiesues which I have pre-"We carnot believe our senses. Every experiment has been a tremendous success. Three days age Montrees's deg was a minerable half-bland toothless thing and teday he is frisking about like a nursey; he can see almost as well as ever and perrot is gay with the plumage of a young bled, he talks and chatters constantly, and climbs about that Rurke, Redfield, Johnson and several of the others funieted on taking the treatment decribs wether devirable. I had rought for means of reand restores youth. In all probability further resourches and experiments will enable us to adnumber a treatment in such a manner that absect

and permanently fixed, but at present we campet how much of youthfulness will be restored. Earnwould be far from desirable or pleasant if, after beardless hove, irrespensible youngsters whom no They argued that by taking a light treatment they they had made the experiments possible they Johnson and the others sided with them, and at

had to be the frut to take the test, I consented, "But I insisted that only a very light, almost superficial, treatment should be given, and to this E has kent accurate records of their nulse, respiralready show distinct signs of alight rejuvenation.

Radfield look like men of feety, and declare thes companions are in practically the same condition Today Montroes took the tweatment and St insists she will do so tomorrow. Of course, in that bow. I have a premonition that we have not yet learned all the powers or peculiarities of Juvenum, and that we have been over-heaty in submitting

Johnson and the other young men show it the

as their systems are more responsive and less de-

"Everything in most satisfactory. Borke and

of the treatment more rapid. . .

"A terrible thing has happened. My worst fours hore been confirmed. We hove all taken the treat ment and we are all in the same awful predicament in the same state to which they had been altered by the treatment. Then, to my horror and amagement, I noticed that the dog and parrot were showing signs of growing constantly womper. The parret was being its full plumore and was acaulting nin feathers. I hurried to the aportments gion. Burke, who had been a start, fixeld man of sixty had become unrecognisable as a young man of thirty.- alexder, freekle faced and vot.haired. Redfield's alteration was even worse. From the

paunchy, gray-whistered bunker he had become transfermed into a sallow-faced young man, and catching a gilmnes of proself in a mirror. I disance. Almost too distresight to express my fears I rushed mostly to E.'s office. But instead of the woman I had expected to wed I found a beautiful girl who, cutwardly at least, appeared no more than twenty years of age. She, however, did not above my fears. She was overfound at the recovery of her worthful beauty and she was shited at the change which had taken place in monelf. In owin I tried to explain to her that if the rejuvenation process continued we would all he recorded or mere boss and girls; that stready Burke and Red field were afraid to annear before their employees "But she, perhaps because of her medical and

anatomical knowledge, around that my fears more groundless. We were, as I well knew, in full possession of all the knowledge and experience we had acquired during our lives. Regardless of and fully developed mentally, and, she added, unvouthful frame and vigor, could accomplish far more than in their physically agod condition

of the Javenum, and I summoned Montross and the

& A FTRR a time I felt that perhaps she was right. Rut I atill feared that the process of

rejuveration might continue, that no one could fore tell when it would cease "The only thing to do was to devote all of our energies to finding a means to central the action in a few days Burke and Redfield had become scarcely more than youths. Johnson was a mere lad, while E. and myself, who had been the last to take the treatment and who had taken far less than the others, felt and looked like a worth and

"For a few days the effects of the treatment an-

peared to cease of their own accord, and no marked

trol the action of our discovery.

themselves. They had important business to stoffices was causing uneasipess. All seemed to look to me for a year out of their difficulties, and without effect. I tried to make them see that they were and that, recreaver. I had shown my faith in submitting to the treatment

"Realizing that no one would recognize the banker or the merchant. I suggested that they go to their offices, put their business in order, and then retire to their apartments until I had had an opportunity to corry on further tests of formple Mon-

trees and myself had weeked out. "We are all lost. Nothing we can do will check changed that when, verterday, we went to her keeper did not recognize us. We have all been obliged to purchase the garments of young people And Burke and Redfield are werse off then say of of Juvenum than the others; whether, as I oursecond time, or whether the Javenure acts more rapidly upon old persons, I do not know. But yesterday when, after repeated calls by phone, I that I must be going mud. Burke bad become a able as a lad of fifteen. Both were fregated both begged me to secure proper garments for them, bold-mere children with the beales, the intelli-

gener, the knowledge, the thoughts of grown, ex-"The only redeeming feature of the day was my marriage to E. We both felt that if we waited longer so minister would marry us, fearing we were under age, but our happiness we fear will be short lived. We all know now what is to follow. We all know that we are pest human belt unless a miracle occurs. Ours is an agony almost beyond endurance. The poor resprenated deg which Mon. trose, poor fellow, offered in the cause of arience has proven an object lesson to us, has brought home to us the terrible convergence of attempting to interfere with the plan of the Creator. The

the parrot is a fledgling, rancous-voiced and almost

naked. Did over human beings face a like fate?

physical changes took place. Then, as if by magic, and bring there here. They were then how of the rejuveration process took hold once more, and sight. And by dist of threats, by argument and sand to outher all the others together here in my laboratory. All I say, but Montroes, Johnson and we do not know. Perhant they have correlated suicide, perhaps they have gone mad, perhaps they have rushed madly away seeking to counce "Such horror" I feel that I must go mad. Were it not for E. I would make away with myzelf. I know now what has become of Montroas, Johnson and the others. I have found a note from Mon-

Already Burke and Redfield are toddling about

supporting themselves by chairs and burbling usin-

telligible words. Surrentitiously and at most E.

and I managed to kidness them from their rooms

tross stating that he and Johnson had agreed to make a supreme test, to make a brave effort to avert the horrible fate to which we were doomed. a stronger dose, in a hope, a more chance that, like some poisons, one treatment would offset the other. What happened I know only too well. It is in. credible! The thing is unthinkable, but true! The dog, two days ago, was a feeble mappy; wasterday it day a round white egg appeared in its cage. Today the cape to empty. Nature is being reversed! the damnable treatment of Juvenum, are progressine buckward. Beward doubt Meetrous and the others have already warished, have already massed My wife and L of all the ten, remain as rational human beings. Burke and Redfield are gurzling, cooling, belplant bubies where wents occupy all of

possessing all her womanly instincts, all her knowledge of medicine, all the thoughts, the longings, the ambitious that were here when, seemingly ages see, we first discussed the question of pernetual "But brawly, uncomplainingly, she has borne the ordeal which we are possing through. She has never blumed me; she is as patient, as smiling as chourful as ever, though she knows that only a few days remain before she, too, will be a helpless

look at my darling wife. No larger is she a warear.

no loaser a building girl. She is a alim wisp of femininity perhaps twolve years of are, but still

"And the atter horror of it all the most terrible part of the whole affair, is that even to the last like normal infants, Burke, Redfield and the others property the intellects, the brades, the accountless of their mature years. I can see R, and I shiver with terror at the sight for the arrow of mind which is theirs is stamped upon their halv faces. AMAZING STORIES

were there, tiny, red-faced, toothless, newly-born babies, and today no trace of their presence remains. And my wife! As I write, she who was row balanced Elvira is granning about the floor while L the last of the ten to succumb to the effects of our accursed experiments, alt at the deak, torn with unbearable dread, with indescribhave brought upon my wife and the others. And though I am writing this in the same hand which I used when a full grown man, although I have felt no charge in my brain, yet I am but a youth, a mere stripling, a beardless boy of perhaps a desen years. Were it not for Klyfra, were it not that until her last mement I must care for her, I would follow the example of Montress and Johnson and would hasten my end by taking a double desc of Juvenure. But instead I have destroyed everything. Every chemical, every formula, everything to do with the downable affair has been made shall be left that will be available for others. And face the most terrible fate of all. No one will be left to care for me. I shall be a helpless infant

I will not be granted the solare of starving to nightmarish offsir is but a reversion of life as it has been for us; that time has been turned back, wived the perils of infantile mortality nothing can prevent us from retroceeding in the same magner, an infant. I cannot hope to successb to starvation now that my infancy is to be repeated, even though there are no loving hands to care for me. "And another strongs thing has harmoned. Of late I have been aware of the presence of beings about me. They are invisible, intangible, but I feel their pearsess. Are they the spirits of my back beyond the stage of human form at birth, they have been unable to return to embryonic

form, and are still filling the atmosphere about "These will be my last lines. My beloved wife has gone. To the very end she record harpy. In her baby even, as I tenderly, though clemally fed her, was the look of contentment; her bely mouth smiled and there was none of the scorey which contorted the infantile countenances of Burke,

Redfield and the others. This morning she faded from eight and vanished, and I feel that somefirst time I have given thought to matters aside from our own affairs. What I wonder will the air? No doubt there will be investigations: the

tury the greater. What will they think when they find the baby clothes which have served for Eurice Redtheld and even for Elvira in turn? Only I will be without the tiny surments. Long before my body is amail enough for them I will be unable to dress moself. I will shrink to an infant in the clothes I have on, in the makeshift, cut-down things I am wearing, and grawling from there, a naked infant. I shall probably find them an interesting plaything. Strange, new that my fate is so near at hand, I am so colm, that I can see the humor of the altuation. But my great regret is that after today I will be unable to record my sensations. Even if my mind remains mature we childled hand I am now a child of eight or ten years in sorear. ance and physical characters, and I am forced to sit upon a pile of books in order to write. Ever since this morning I have realized I am dwindling have been forced to add two books to the nile

infant's garments and other things in a drawer beyond my own reach, for otherwise, in my infantile here in my inhoratory. I can write no more. My brain is still clear and filled with the throughts of and, must. I feel sure, so through the refrecessional a grown man,-was even the releatife side of vev process to obliviou, for I long ago promised Elvira intellect is unchanged. But I find the pen difficult that I would not take my own life, and, I feel sure, the characters I wish to write. And there is no more to record. I have sought perpetual youth and I have found it; but such a youth! Youth revisible existence, the youth of the pre-natal, inexplicable green of life, perhaps the -The journal coded in an underlipherable scrawl Trembling, shaken, pale with the suspense of what I had read, I sat staring, and was aware for the first time that the vact laboratory was durky with approaching night. Then, with a stifled cry, I sprang to my feet. An invisible, intengible presexce seemed to be man. I could have sween that fingers clutched my clothes. With my scalp ting-

> fird from the room which, despite common sense and reason, I felt sure was still terorited by the missing ten. And I was even more terrified as another thought firehed across my mind. How 65d I know that some of the tarrible element James num, mucht not have remained in the laboratory? exposed myself to its effects? How could I be positive that I, too, might not find myself going backward, doorsed eventually to man out like a muffed-out candle? Never again, I determined for a space I knew, I would live in deadly fear of

ling, terrified as I had power been in my life, I

signs of regained youthfulness.

But fate took a hand in my plans. That night a disastrons for swent McCracken College, the laboratory with all its contents was utterly deatroved, and to this day the true explanation of

THE ULTRA-ELIXIR OF YOUTH

the disappearance of Dr. Henderson and the nine exposed to the perils of perpetual youth were others has never been published And my fears proved groundless. I grew no And, as Dr. Henderson's diary has burned to younger, as the months passed, and when, a year askes with the rest of his possessions, and I fear after reading Dr. Handarann's amoning ingreal. that the vivid moment of its contents wight grow I felt sure that all danger of my having been world shall know the truth.

Readers' Vote of Preference

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The CHEMICAL MAGNET By Victor Thaddeus



. Yurding, he staggered hack fewer the steps has the toming a review will be proved with a pulk a series of the vessel, did asymptomy to the specificary that he physicism I had see phonon of the observed on the deck again hacking a brange publicant did con-

THE CHEMICAL MAGNET packing cases, cars, bottles, and other riff-ruff flung

SOW that Schirmanhever is dead, and will americate the world over are sooking to rediscover the secret of the extraordinary chemical magnet which brought him wealth and fame, it is only fitting

public what little I know about his life, his mar-An unbuppy love affair made of the generous enthuriant a cold-blooded scientist, who subordi-

Schirmunhoper talked little, and if he had any dreams beyond those covering the conquest of that reaching out for material prosperity had cast a blight over his life, no one shall ever know of them.

Of all reen of genius that I have known, Schirmanbover was the least secretive about his own idean. He asserted to harbor no appricious that his lying in the path of accomplishment made him simmight fail. Then again, it may have been that he talked far less freely to others than he did to me.

impersonal way, I can have no doubt-I call myself I first wet Schirmonheyer when he was firing in City. He was introduced to me in town one day of his eyes-enlisted my interest remediately. He

dark thick bair that fell low over his forehead and straggled down his neck. He were a shabby lightweight overcost, and looked generally unkempt. Still, he had a striking personality. One felt his

mind. He seemed barnhe said little. I grew to

It was an autonishing beach. It represented the The cabin was situated among a law ridge of sanddures separating the ocean from inland weters

resorts. The beach, reled high with great timbers.

a million lights traced the distant coset line; to the southwest, in clear weather, might be seen the fainter signmer of the Coney Island beardwalk, be-Here Schirmenbover fived the year round. Dilanidated in appearance, the cabin was quite muz inlay at his very decretop on the beach in mexhaust-

disordered appearance. At night, in both directions,

breezes. He bought his stores each work at a fish-It seemed had excush to have to tremp such a dis-

tance for food supplies, but how could be manage too interested in talking to Schirmenhever, and noting the equipment of that part of the cable curthis. Did Schlemenhaver have a well? I disbe quite undrinkable. But where did he get it?

Suddenly I remembered that the same problem must have existed for the old bernit who had been the calus's previous inhabitant. This convinced me that whatever the problem's solution might be-Still I was possied, conscially when on my next Loter, in the cabin, I

> lem to him. "Yes, water was old Martin's problem," said Schormanbever, "He had

> > main reason he had for

problem any more " The last few words he said willingly, and his exasked. "Have you found a rearer place to get it?"

"I don't get it," he answered. "I make it." "Oh!" I excluded, with a lough at my own fool-

Schirmenheuer smiled again. "No," he said, "I don't distill it. But I make it just the same." He got up to open the churk stove, and throw in was blowing, rattling the anahes of one of the small windows. Ewn though you could not see it, you

488 AMAZING STORIES seemed that wast expanse of recurby ocean over which litterior be came around to the front of the casing

"Yea, out of ocean water," he replied.

HE said nothing more at the time. Subsett quantity, when through our general conversations I had get an idea of the nature of his investigation, be were less recovered. I know that existing the work less recovered. I know that chemical reactions, particularly those of solicitifity. He had the sort of mind that uses things always

he had delved very prefeomity into the nature of chemical resoltions, particularly those of solubility. He had the sort of mind that sees things always from the imaginative viveyolat, that zever allows imagination to become smothered beneath technical and mathematical detail. He was alto to arrive

and mathematical details. He was able to arrive at an actual joisture of molecular processes, and fee this reason he was able to make bis tremendous discoveries. One day, drawing back the curtain of his libera-

tory, he picked up a besker, filed it with water, and seked me to drop some table sait into st. When I had done so, he said: "That wan't much trouble, was it? But what

"That wain't much trouble, was it? But wise,
a let of trouble to get that sail beck again-1 mean
by evaporation. There should be an easier way,
shouldn't there?"
I replied I thought there should be. Schirman-

I regified I thought there should be. Schirmanhever now placed a clean sheat of white paper on the beach. On the paper he put a headful of send that he had plained up outside. With the next be mixed up several placker of from fillings.

"Well," I said, "if you had a magnet—"
"Exactly?" He produced one, and drew the
dilings out of the said, acraning them of the magnet into a little asparate gile. Then he looked at

ms. "By my process I can draw solls out of water just as easily as that magnet draws aren tilings out of the sand. Let's say Fre invested a chemical suggest."

He swilled to himself, and added. "That's as in.

securate way of putting st, of sectroe, but it gives the imagination escention to feed on, which is the the imagination secretion to feed on, which is the stage salts out of water without having to we any energy. No heat under bolizer, no electric current. As simple as that," be mapped his fugure. "And why shouldn't he map? There's very little energy why shouldn't he map? There's very little energy fact, what energy clamps there is in sunsity to the fact, what energy clamps there is in sunsity to the speed—jub water is occled off a fittle by the shall-

given out, not taken in, when you gut, the salt back —and there is."

He ghincal at one corner of his interatory where there stood a queer cleant-like arrangement with

becomes a contract of the laboratory before, and half-general its significance. But this was the first time Schirmshows had ever in the laboratory before, and half-general its significance. But this was the first time Schirmshows had ever in your feet and the laboratory in the laboratory of the laboratory in the laboratory of the laboratory of the laboratory of the wooden formula then protected upwants from the wooden formula then protected upwants from the wooden to the laboratory of the labo

now noticeastly down the alie, noticeast to me to listen. I heard in the interior of the apparatus a sort, continuous sound similar to that which might be made by they armine of soundtring slipping on a cauch. When the flow of water had storoot, the acceptance of the sound of the sound of the sound dispersive of the up to my lipse-it was as fresh pure water as I have ever tasted. At the some moment to held up for my inspection a ministers bin that

and turned a valve. A moment later a bucket he

water as I have ever tasted. At the same moment he held up for my inspection a ministere hin that he had draws out of the interior of his appearancy, its floor was covered with several inches of a whitish salt.
"Now," he raid, pouring the contents of the little

"Now," so easy, pouring the contents of the little bit size the backet of fresh water, "you see before you the pallful of see-water again."

The whole process had taken so short a time earned? Hore there a courte of member-and its

operation had been so neississa, to sound coming from the interior of the machine except that little whitepring noise mode by the actiling sait, that I could only stand amound.

I drank"—and I leoked at what remained in the disper—'was some of the sea-mater—and that all you showed me—"
"It was," answered Schirmshaver, "The very surse sea-vater, My ameratus in here," he tarmed

the worden easing, "lad simply divided it into its two components—the pure water and the dissolved salts."
"And it get it all out in that sheet time?"

Schfermanisever smiled at the beredulity in my face. Then between, "Yes, it me it all out, and that's my treable. That water yes that it all out, and that's my treable. That water yes the sacet yes. It notes exist and superraded matter out in one let. The hardest part of my plushtated developing salective attraction for the various chemicals in alution, in the same way way night have different

recornist fee iron, seport, elber, seef and so onis still before me. Indeed, I don't have whether 120 ever be able to solve that problem. And if I forth—" He brilliant, fewerlds ores started straight into mise, and I read in them the end of the subtace—that if he didrit, all the hemorefules he had acquired thus far world do with him. This was the bling that, abstrated on. Cons. I

extract saits from solution with such case, it seared to me the most marvellous scientific achievement of the sentury. If he stopped at this point, he had only to commercialize his process to make an immense fortune for himself. But Schirmanhover seared to think be had accommissed methics as

immense fortune for himself. But Schirmanhever seemed to think be had accomplished arching as yet. His whole being was wrapped up in making the process the entirely perfect thing be had dreamed it. "Phere" be would exclaim, gesturing dramatic-

ally towards the leagues of cean, "just look at the improvide of the Agreeter storehouse of minorals than you'll find in all the minor of the earth put beguiner. All the metallic and non-metallic cloments in it in cores above or form. Vest Methor when the life is nown above or form. Vest Methor later, everything gets washed! All the metals, exhaustible reservoir to comb it out of. When the

That word only would make his own toke on a married it mere then employed in the world. More than three years had passed now since I first met speed up his process of extraction. For, miracu-

to get appreciable amounts of the precious chuma success, be any approximate delay in the free flow the separation imposed a small but definite drug on the wowing liquid. This he was seeking to

MORE than once, during this period, I desired Schirmanhayor's sanity. Hagrand and wildeyed, his unkempt hair falling around his face, his really in his right mind. With all that driftwood the appearance of a lone survivor of some tremen-

desperately watching the horizon for a sign of one, the very calm of whose treple beauty was to make more dreadful that awful some of Schirmankeyer's first distoterration. Then Schirmschauer

a chemical asserte might be only his madness. For

products of the former. Though Schirmschopes left the curtains of his inherencey undrawn, so

times the apparatus was always bolden from view engaged in experiments of relacy importance: whenever he was working on the armeratus thadf there really sees may appropriate or whether it was

most when he had orne down to the occan-for water to siin into the laboratory and examine the Schirmanhover had been in the laboratory for over an hour with the curtains draws. He had more water, for he had left burriedly, in his heate falling to fasten the curtains. I greated I should -and I was right. The easing binord at the back

stood open, revealing a sheet, thick estinder of metal like a fat water beller. Except for this cut inder, and the pipes leading in and out, the space inside the custing was absolutely empty. On the colleder a marning "Honds off! Daymer!" was palated in large red betters.

Sturing at the cylinder, I realized I hadn't learned much. Either the cylinder was empty, as within it was softly carrogaled all the vital much. ardem of Schirmanhever's process. And the cylinove apparently had no opening through which the

Reckloss of the red warning on the cellular I resolved out to frow the shutter solds, at the same filten stooring to not my eye to the energies. My hand was grasped in mid-air-Schirmen

the window and returned quietly. Instead of he

We down the casing until I had left the laboratory, then drew the custains behind me, and re-

outnot his experiment. He seemed to understand process than he had done before. He embined of whose recoil mechanism is safeguarded against sterolog finalf as seen as tampered with by inexone but himself tried to examine it. He seemed

of what I had seen-only that extinder, with the pipes leading in and sut-"You were surprised because you asw nothing complicated," he said. "You expected the satonishing and the intricate. Why weren't there any wires suggesting electricity? Well, inside that evi index it isn't, of course, spite so sircule as it is on what simple armoratus the cylinder does contain. payertheless. Streets to marry man of thicking that

is. Simple and empty in fact the same way that and awoty to a person of olden times who was heating exceptiblese for the home that made the automobile move. Simple and empty as an electric wire carrying current on a million-volt circuit would seem to people who diin't know eaviling

was flowing silently along that little wire. My now principle. It's a principle as different from he finished with a smile, "except from our previous depending, not unlike electricity, upon the mysterions laws which control atomic and molecular structure."

His line twitched as he smiled. It was one of one last talks together-before he went away. Schirmspherer bad grown very thin and haggard. He was experimenting against time. For he had only a few months longer to live in the cabin. At hast this stratch of beach to long neglected by dedredre had arrived on the bay side and was filling into atreets and lots. A line of telegraph polen turns with a dark look of hate. It was the world of his wild home-driving him out. He had been given notice by the development company that he of the past sommer.

"HE has lived here for six years. Has he acperiod?" I used to ask myself. The man working as a crary freak, and I wondered if they weren't right. Did he really have anything to show for the

Then one day the impossible happened. When I arrived at the cabin, Schirmanhover told me ha had inherited a fortune. A rich uncle-on his father's aids Schirmanhever was of German descent, on his mother's Irish-had just died, and news without excitement. I confess I would have lawyer, puffing from the exertion of the long trudge, and with his shoes full of sand, supplied an incontrovertible proof. I thought than that Schirmspheyer's troubles were over-that the loss

of the cubic would be of no importance to him as laboratory in a far more conversiont location. But Schirmanhever stared on in the cabin, apparently he had started them. Perhaps the fact that good fortune had come his way only when he could almost do without it, made him the more bitter. His ing at the sand duras, held the same personal anterrorism. But see day when I visited him, he seemed calmer than ever I had seen him before.

after me in a peculiar tone that seemed to carry

down by workmen who speculated jokingly on the paratus and glassware left behind. The surveyors were shooting the line of a road that would pass it crumbling bineath the blows of sledge and hammer, I got a sudden sharp seems of loss. I walked ever. So two years went by Meanwhile all my suspicious about the nonexistence of his chemical magnet, as be had called

with it, a strange presentiment, "Well, good-bye "?

for many months. When I next visited the island

and scentific journals for some startling report of mer cottages everywhere—made the past seem a dresm. I remembered that last gilmres of Schiras the hunch sped for the mainland, and I felt a than once, the absurdity of his having account shed ing by the sea occurred to me, though at the name

ing one little thing to give reality to the vanished Schirmenhover and his spleaded aspirations. It when the cuten was being torn down. On it were "Door Anne: At last, after all these years, I have. . .

The writing was Schirmenbryer's, and he had evidently been unable to go any further, or cise It was about four years after Schirmunbover's everyone's lips. Almost oversight, it seemed, he had acquired international renown. The story of

which now by some extraordinary seired process chemical. The four years of delay he had arourproduction. At any rate, the name Schirmorphyon was now certainly one for the man in the street to conjuge with. It was removed he had actually found a way of treesmuting sen-water into cold.

becoming the richest man in the world. The events of the next few years are history, so I shall peut over them befeffy. We all remember how Schirmanhover's American piarts supplied potant to the hore merkets at half the perice of the foreign product impacted from the great Stransfurt deposits; his development of those strange and sinpendous fleeting halfs, known as the Magnet Fleet, which manufactured their cargos of mercians characted from account water or

the Mapart Flots, which manufactured their cargoos of previous electronich from essen water on grows of previous electronic from essen water on configure, in the field of Industrial Chemistry word, all that station's coherentess to Molding up the synthetic dops industry folling to nothing beside the synthetic dops industry folling to nothing beside the consistal excemplaturates of the regard American solossed accomplishments of the regard American land to come, heptiming a new epoth to the bilancy of civilination, with the reducial attention it measured attack in the whole examinate life of the world, and his registrial or of it, the foreign stating of the and his registrial or it, the foreign stating of the

notions to enthal findimenheur's assimations to enthal findimenheur's assimation correctly the three property as a root as followable was referred production as not as followablewer arisent production for the powers to come to turne the matter than the powers to come to turne the matter than the power to come at the Metter turnels that you was at twee heatest and he a release to the company of the power to come the power to come and indicate the company of the power to the power to

windows the nearby piece.

All Go that, I are has become history. Let use
A come these without fearine delay in the
A come these without fearine delay in the
A come these without fearine delay in the
A come of the come of the come of the
A come of the come of the
A come of
A come

ing their old excitement, he started to make some

suggestion, but after a few words broke off to a

herely little thinds in the Fundle which fals had derived only not of an atomic over force since.

Arrived as its initiat, an expectable point of trace of the fall of the fal

orable telegram requesting me to come immediately

vessel of the Magnet Fleet, which Schirmanhover That he had come to this remote most to work his investigations into some mysterious realm of eclepes, which even his centus had not yet explored, was known to me by row. But the exact nature of this remarch he had not told me. I could only guess from his suppressed excitement during the cruise that he considered all his provious discoveries of needlelble introriance compared with those he was now about to attempt. Once settled or the island, he was soon spending all his heurs in the feating inharatory. At the hopinging I was allowed to come abourd with him, but a day came when he not a stop to my visits. It was about this time that Schirmanhover, while we get together on the versada of the bereation, more me

After levely reconstruction law past a consequent with a comment of the control magnet with a control magnetic mag

teet them.

"Chemicals," said Schirmanbever, "which may sheating be tremembrily more powerful and mysterisms name in than the raidoattive minerals, and which may be a wan a possessed of manalingly new and vitil properties;

true measting of what he said. I only hed a vagua but distinct sense of danger. Perhaps it was the warmth of the tropic night, and Schirmanhever's glowing eres close to mine, the black outlines against the startic sky of those ball behave rem-

AMAZING STOR

iniscent of days when the whole of the earth was a vast fecund jumps.

"Wor't there be a risk in such experiments?" I saked. "If such chemicals do axist, and you collect them in may quantity, mayn't they have a frightful effect on the human body?"

"Yery [Bicky," answered Schrmanhaver, but the

He added, "There's always a risk in the Unknown." From now on he grew pale with a directful paler. He loot his appoints. He had trenshing that made me fore he had caught some tropical fewer. I am him encorge at intervals from the interior of the finaling library; waving also make the man before him as thought to push hade as insufficial for the district plantage, mattering to the district plantage and the part of the district plantage and the district plantage and the part of the district plantage and the d

seater him as theight to game back is instituting and. He pract the white beach, multiring to himself, and genticulating. One day be should: you can be should be shou

a wild pressure that occuped to embrace the entire havinon.

A thrill of harror shet through no. Suddenly I resilied the treath of why Schirmanhever was wasting sway—entembered my cassal suggestion of deadlife than prisons was devousing him. I schick deadlife than prisons was devousing him. I schick this arm, tried to prevent him from poling out to the boat again. Schirmanhevé bought himself loces, and the expression in his cress so be looped away that the was mad, utterly mad.

THE next week was a nightmare. Solvieran-bever, with the current or condensa, alor on the boat new, frantige I would detain him if he returned to the bampiew. But he came on above turned to the bampiew. But he came on above turned to the bampiew. But he came on above with the same and the came of the condensate of the same and t

on the dock of the boat, Schirmanhever emerged from a hatchway. He was gauping, his eyes were Tam hands is his head, and in that instead I believe be valided be may keep. Thruthe, is engaged back validated be may keep. Thruthe, is engaged back assumed to the mechanicy, then appeared on devication that the appearance of the containing a carloss stationary and the containing as easily assumed to the containing as a part of the containing as a superior of the containing as metasizes, these distributions of the containing as metasizes, the substitution of the containing as a minuted of the containing as a superior of the containing as a minuted Get back to the other right saws, beter mine. The substitution of the containing and the present mine, the substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a minuted of the containing as a substitution of the containing as a containing as a substitution of the containing as a substitution o

maniscal, but at sight of me be seamed to pull himself together. With a convulsive effort he not his

As uncontrolled such solved no for the face of that products body, that dreading, ordinary of that products body, that dreading, ordinary back into the skiff, I reved madig for these shearing was presently sure prior to intoll that their wear a rare small product of the skiff, I reved madig for the same products of the skiff, I reved madig for the same products of the skiff, I reveal that the skiff of the skiff skiff, the yadd returned and examples of the skiff skiff, the yadd returned and examples of the skiff skiff, the skiff returned and the skiff skiff skiff, the skiff returned and the skiff skiff skiff, the skiff returned and the skiff skiff skiff, the skiff skiff skiff, the skiff skiff skiff, the skiff returned and the skiff skiff skiff, the skiff skiff skiff skiff skiff skiff, the skiff skiff skiff skiff skiff skiff, the skiff skiff

must, corresponding to an electric hallory, while model research darks of contributions of years, maked research darks of contribution of years, have only to him. Franks endowers are still besovered by the him. Franks endowers are still become as the property of the contribution of the contribution of the contribution of the contribution of the particular darks of the contribution of the state Schirmschwer actually did manuage to create that Schirmschwer actually did manuage to create of the particular darks of the contribution of the two darks of the contribution of the contribution of the two darks of the contribution of the contribution of the particular darks in the contribution of the contribution of the particular darks of the contribution of the which, militate of years age, where the court was

god which, milious of years ago, when the earth we were all comm, first brought life into being. The Exp.

The Master Mind of Mars

By EDGAR RICE BURROUGHS
A New Story by the Master of Scientifiction

The Face in the Abyss
By A. MERRITT
(See Inside Front Coper)

HICKS' INVENTIONS with a KICK By Henry Hugh Simmons

The Automatic Apartment



The fact forms owing own, include using held of the year.

The fact forms own of work held fromly deleting dween his hand the state of the fact of the

with him, taking—or rather he was be in the street with him, taking—or rather he was be in the most takenda gradual and the state of the Atlantic. He's give that He's give that personal magnetium or normalized the street was been as taken to be a state of the street with the street was the street with the street was trained in the street was the street with the street was the street with the street was the s

way, that's sure. When you remember that epinode of the Automatic Dining Tuble, maybe you will agree with me that I had plenty of cause for wanting to do maybem to Highs When I thought he was Ized ten to red hot tot does,— ruined, not be apeale of record artis of "Blick" Inservices used fort landing appeared in see Artif, III's large is written as legal role, it should not make desired of that tend are off to assume on the following large in the assume of the following large in the assume of the following large in the property of the appear of the reing comment the appear that is a region of the comment of the contraction of the comment of the region that the company is recorded in the search under the dutter movely by these search under the dutter movely by the

The re I was walking by III. Higher and literaling and to his conversation, bound of of rids home to impact another one of the auto-man another one of the auto-man and the resulting another one of the auto-man and the resulting and the resulting

IAZING STORI

with as the night of that . er., suffectional little trends with the Austrantic Dilay (Table on or less. They armyly washed their hands of that browthen and of ms. Yet the dishing that is noting not not market now. We have a company organized and wit come have our factory outgoined, Artificiate will happen with any invention when it is being tend out. Think what the automobile was like the little passes app. 18 oil I ourl convince that crowd, and unfortunately they are my best friends,—each least

So Histor talk want on, and by the time we had arrived at his beaue I had promised him to straighthen everything out for him with her relatives and friends and to persuade them all to seem and impact his zow lawvation, though I had not so yet some it myself. Perhaps that will give you norm idea of Histor powers of conversation. But here rooms, we collected the statics and presently we found consolves it a hinge room of moderate dimensions, and the processing the proc

"Looks like an ordinary living room, eh?" asied Hicks.
"Like a more than ordinarily pleasant out, I should see," I remited allowing myself to did into

"And yet, O'Kede, this room is as unlike an ordinary room as a heave erg is unlike a golf tell," said Hisks. "This is room Number One in my Fully Autonssid: Apartment."

"And how does this room Number One in your

Fully Automatic Apartment," I said in jocular tone, "differ from any other? Surely you are not trying to kid me into believing that there is anything unusual about it?"
"No. I am not trying to kid you," Hicks replied

with rising dignity. "I morely state a fact when I as it is different and that difference cambles in the circumstance that this rows is self-clossing, except the control of a test slightly imped with irrow, "that there is a push botton band mass think does." When the push botton dispersed on the "destribution of matter of sand push botton dispersed on it. "Possibly also," History and the control of the contr

MAGINE my supplies when the chair in which the chair in which the chair in which the chair in which the table upon which I had not dure past us and the table upon which I had not recome a state of the tweeter had way areas the recon, aft in analyse stated the tweeter had way areas the recon, aft in the attention of the two more read and the tweeter had way areas to recome, another surfaces. Before I had thus to recover, another surfaces are the gradient of the commonly owner the register for he dir upstrass and only around posts and there for he did upstrass and suffer, startled amount of more covered what for a below, it as the amount of more covered what for a below, it as the amount of more covered what for a below, it as the amount of more covered what for a below, it as the amount of more covered what for a below, it is a below the covered what for a below, it is a below the covered when t

but in which a second later I recognized a nuction

dently but a must fet at even, housias considerable good, because without they in heatily good, because without they in heatily good to be a support of the property for the complete and of the large groon, need to be good to good to

awcoper with law attached. This awarper evi-

"How does it strike you, old man?" The voice of the inventor seemed to come from afar, so dazed was I. "Well, I'll be dashed," was all I managed to stut-

ter as I worded the awast off my freshoad. And amin that alsolutory cover, ingertimen, anticled amin that alsolutory cover, ingertimen, anticled 450 H step until it had completed lite work and evertices in the room had been case over. As it massed which it had appeared, sowing east, the trachles which it had appeared, sowing east, the trachles which it had appeared, sowing east, the trachles are also the step of the sowing east, the trachles familiars, and those pieces which had list moved familiars, and those pieces which had lists moved and the orditer now was garden soully arranged. The investor struck a musch and list a eigenvise until the orditer now was garden soully arranged. The investor struck a musch and list a eigenvise to be implicated country, between two parts of his

My votes came back to me. "Hicks," I said, "I den't know what to tell you. You have handed me the surpruse of my life. When you mentioned that artematic apartment,"
"Calm yourself, my boy," minrighy striked Risky. "Talm yourself, my boy," minrighy striked Risky.

Carnet Sweeper and the Self-Arranging Furniture just one feature of my Automotic Apartment. iron plates are attached low down under the fursirows under the flooring. When I push the button, the first thing that happens is that one row after another of the electro magnetic poles becomes magnetized and then demognetized, thus moving the furniture slong. The surtion sweeper is furnished with newer of its own, but size kept true to its reih magnetic field. But I will now show you come things which are really remarkable. Let us noncood to the kitchen." And thither he led the way, while I followed, trying to breez myself for the next surprise. We entered the kitches, which was sparsons and beautifully arrenged, with chearful colors decorating the walls and colling I looked around me. Everything was there that

should be found in a well appointed kitchen. The

there was more to it than fust a sink. My ones,

tioning glance was interrupted by Hicks' watch-"An Automatic Dish-Washing Device, of course," he explained. "But more than that; an Automatic Disk Conveyer. Anything set down on this end-

Ions helt is immediately conveyed into the dish weater, washed, dried and carried out, and deposited at the opposite and." He placed several cure, supports, knives and forks and a couple of large pans on what looked like a

white-enameled mat. Above the sink was a push when the door closed. I beard the splasting of water, which continued for fully a minute. Sudarray of dishes reappeared on the other side of the hox, dry, clean, and shiping, and storned under-

"I did not so far provide anything to distribute inventor. "But for the present this will have

"But, Hicks-" I said.

"WELL, let us pass on to something interest-ing," the inventor, seemingly ignoring my trivialities of everyday existence. "As I said before, this is a Fully Automatic Apartment. That tractive part of housekeeping. You do not sweep, you do not clean, you wash no dishes, brash no colivels, scrab no floors, polish no shoes. You propose, as it were, and the anartment disposes, In developing this invention the central idea was that drudgery has no place in the scheme of life of

the modern man or woman. My brese was to be able to take that dradgery out of life,-and I berecded. Now . . "But, Hicks-" I said, in a tone of awa, "Now look at this celling, for instance," said "To the casual plunce it looks like any other cell-

ing, only with ornamental features ordinarily lacking in a kitchen ceiling. In reality the design is worked out in they perforations, the celling maternal being sheet metal. Above this perforated suction system. Just a moderate amount of air is usually circulating through this system. But if I turn this switch"—he did and instantly a sighing noise was to be heard-"then a powerful exhaust thing else in the way of dirt disappears. If I take,

is no place for dust, dirt, or cobwells to stay, when

this tremendous saction is turned on."

That was a useless question. In the first place, what I had men I would have arranged for the King of Iceland to come and see it. Why, it was As the celling is virtually only a fine mash, there

apology for my rudeness in the morning, Hisks the way to clean the floor? What, O'Keefe, would "Well what would be more natural than to have the floor also perforated, but instead of washing it, as it were, by air, to wash it with water?"

queried Hirks, answering his own question. I had to admit that he had me there. "Well, anyway," you will note semething which probably escaped is also full of small perforations worked out in a below it there is a flat tank which can at will be filled with tenter and emptiod. If I press this but ton the water will rise. Step on one of these mats and watch," Here be pointed out one of three or rooms, about an inch or so high. We steroed up a thousand tiny fountains, each one about a ball

inch high, until the whole floor was solmerwed unifor a propriet tach of mater. "We do not need to much any button again to make the water go disappearing, carrying with it dirt, dust, and discase serms. The door is now," he went on in a tone of a lecturer explaining some wonder of nature, "still wet, but by pushing this button I rerunning down the drain, which can accommodate a cubic feet of water a second, just as also the sonply pipe is unusually large, permitting a flow of a cubic foot every two seconds under the normal

I looked and naw, I was feeling a little feeble, and I remember wondering if I had not had some of somebody's homebrew that morning, for I was having a queer feeling in my head. The automatic man, I told Hicks so "I have some other features here which I wanted

to show you," said Hicks, "but it is perhaps just as well that you see them when the commony are assembled. You have seen enough, my boy, I think, to believe me now when I tell you that I have something out of the ordinary, something unique and something for which the world will be groteful in the years to come when by its means the developer of housekeeping will have been ended. Now, O'Keefe, will you arrange this thing for me with

wonderful, marvelous, hig-to think of such on idea. And the way he had it forured out-pressure per square inch-cubic fact per second-you know IT was the following Tuesday that they were all assembled. I still had a black eye, received his house, but such was my enthusiasm that I had

uncle Jeremiah, looking as sour as ever, and my sunt Briefia. There was Irvine and Mrs. Smith fiancie, Miss Peak, a prim person somewhat ad-

inventor was talking-as usual.

"This is something still new to you, my dear O'Kerfe," Hicks was sering, "This is the Autoroatic Shoe Shining Stand. By nuching this but ton, thus trap door drops, revealing, as you will note, a foot rest such as is commonly used on shoe shiners' stands, except that this is shout a foot from the foor. If now, Professor," Hicks said will be kind enough to place your fost upon this that the machine works for exactly three minutes and then lets on. This works automatically, was know, and you will yourselves he able to watch the

We watched and we saw a back-like arm, binged gently but firmly holding it down. Next, two coarse brushes started to work lengthwise of the shee, removing any dirt there was along the soles -if there was any. These brushes were fastened black polishing brushes running the same way, with

"How ever do those brushes get any blacking?" saked the practical Mrs. Smith. "A yery natural question, Madam, and one which is very pertinent," responded the inventor

"The solution is as simple as it is efficient. In tion," he added madestly, "carnot be termed my "I think it's marvelous," Mrs. Smith replied "To think of all those things that you have shown us this morning. You call this an invention-why it's dozens of inventions. Oh, wouldn't I law to live in this spartment!" she seed.

"Wail, now," interposed Irvine, "do you think Isn't something upt to go wrong? That thing that say it don't let go for three minutes. But some thing might harpen and you might want to got there was a fire, then what? I am still waiting to People who must take the cheer out of life are

an abumination to me. I would have liked to have told Irvine so. Couldn't the fellow see how wondorful it all was? But I could have saved myself the worry, for Hicks had the answer ready "A natural thought, Irrine," he smiled, "When

minutes, what I meant was of course, unless it were released before by pressing the release button right under the starting butter, just as you on. Three minutes is murely the time required for time-limit device is installed but merely as an aid to the user, not as its master."

I RVINE looked a little shashed at this natural explanation. "I may as well state now," said the investor, "that this time I have left nothing out. I built a special druce which automatically operated the various mechanisms, turning them on day, to insure that every part worked as it should. of speeds. The dish washer, the sweeper, the shoe up so that they can be run at up to three times their bresent operating speed, which was obsern Automatic Apartment, proceed with a practical

He did, and then counted a large box containing a navaltry substance "Knowled is believing and what is called fuller's earth. It is a light, dusty substance, and it could very properly be classed an dirt. I have explained the action of the colling to von. Let us now see what becomes of this carth which I shall fling into the air." With this he reached into the lox and scattered a handful in the sir. Everybody deduced and Mrs. Smith dealy some of her composure as she saw the thick cloud of white dirt starting into the air. But, as if by magic, the cloud rose and instantly disas-

soiled with even a speck of dgst. "How is this?" emiled the inventor, as he took handful after handeach time instantly disappearing through the oxilNow let us try the floor. I push this switch, and what kappene?* I instantly there was a sound I did not like. You know I have a sort of sel institut for that kind of thing; I can sort of feel when something is wrees. Something seemed to work with an uncalled-for force, for these was a vibrating and wording I

force, for three was a vitrating and gazding of half one brard the buttime. Institutively I forcial at the investor, who had grows the other of male vivrage one? I shad all my rais. "The vessag total O₂ why side I laws that experimental stuff hear?" and then suddenly there was exten. Straight in the sit, out of a thousand blook, there shot as a near the sit of the contract of the contract of the sit of the sit. All these presents were as disasting the late for a few memorials saidly more. In fact,

hardy leek through it. Just then the Invente gave a mighty wouch on the switchboard and the atreams caused. But there were three inches of water on the floor. "What in the botel is the matter?" reared Irvine, who was the first to receiver his senses. "What is the matter, Blake? Are won triving the driven us?"

the matter, Hicks? Are you trying to drown us?"
"I accidentally pushed the experimental switch and it refused to kith off. It doesn't matter I's..." stattered Hitks.
"What the devil do you mean, doesn't matter?"

"What the doull do you mean, doesn't matter?" telliwed Smith. "Bon't you can that you have completely ruined all our clothes? And it doesn't matter! Now of all the ..."

1 dight mean it that way, Smith," walled Hicks.

"I'll tern on the warm air and we will all be dep in a minute." With feverich hands he fingered the avitableard.

We had all been recovering, and no we recovered

we not an teem recovering, and no we recovered and everybody lested at hismooff, dreathed from head to foot, there was a feeling in the air as of a dozen thursdersforms browing and ready to break. Something would have to happen to divert those people from dwelling on their troubles, I thought, and as I thought, it did, flicks half deand the bat-

so, and there was a clink.

All at even, I have at a light white, and instantly
there was a coglecter part, and the air was white
the was to collecte part, and the air was white
the was the fullers careful a contract of wester promise
that was the fullers careful a contract of wester part of
the same way it had core, with the same force
and cover bit that had been put to Ratardly our
was visiter, from our had down to one shows, were
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and much fire was not function which is
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to the collection.

ing, I was seland, and in a moment all the others.

Everybody was ensesting his head off.

"Hee, karboo! He, karboo! Hicks!" cersamed

Smith between spaarss, "what, karboo! is the helt,
karbool are your doing; karboo, karboo! Turn the
blooming, karboo! thing off! I, kurboo! karboo!"

he -lyboled and could not go on.

A FTER a few minutes the dust settled and the habel of sneezes reased. Then a fixed of shoquence broke loose. Everyholy was talling Hida what he thought of him. In his misser, the unhappy investor turned and started to fool with his switchboard.

"Lead the way out. Micks, let us on and never

"Laid the way out, Hicks, let us go and never too you again." reserved firstne.
"Dismiss us instantly, sir," otternly ordered the professor, who had managed to regain as much of this dignity as was pecalibe with a face like a miller and dothes that lecked as if they had been through the floar mill.

and dictine that teleded as if they had been through the floor real.

It is also that the second of the property of the transport of the second of the second of the transport of the second of the second of the transport of the second of the second of the telescope of the second of the second of the transport of the second of the second of the transport of the second of the second of the transport of the second of the transport of the second of th

free an electric size on there, to method as including another weighbound.—there were freely a size of the size of

the professor's threat and genily but determinely building down bloom. He free our hearding gas, the stiff revolving broades appeared as if by magic and with a couple doese swift and vipporus attribute and with a couple doese swift and vipporus attribute prepared the professor's care fee what was to come. As the stiff bristle did their work, his bristle of dispersation could be beard a mile. The prim Mas Poles, forgetting her dispersation of comments of Poles, forgetting her dispersation of comments of the production of the primary of the properties of them. I tried, but it was no use. The prophilip broades had by this time fessioles and new persons

Froble led or this the mining, and are appeared to the portionary could be preferent to the portionary could be preferent within the broukes stated to rub down to an open could splith. Been with the full relaxation of the estitution, I outil set return from admiring the estitution, I outil set return from admiring the leastess werich, ladging them profestory in a ball with me, you know. In a first second to the preference is not shown like a superpolated linear least the professor's mass shown like a superpolated linear least the professor's mass shown like a superpolated linear linear least the latter landscape to the latter latte

are autorice and anasy-rive. By George, the high experimental speed must be tirred on? That was it. I remembered. These were just some ideas that flashed through my mind—funcy low the human mind will work in close situations. The professor's struggles helped as Etitle as his soreans. "Push down your release switch, you life!t," marie lavine. I could have belied sensiti-

Why didn't I at least think of that simple thing? But Hicks stood there, pale as cheese, except for the large smears of fuller's earth on his face, fum-

The SHADOW on the SPARK

- By Edward S. Sears

HEN Dr. Milton Juris decented the gang plank of the liter Homeric, on his return from the letters the Congruss at Vienna, in the year 1905, he Congress at Visnes, in the year loop, no fully expected to find his most intimate

THE SHADOW ON THE SPARK

friend. Jim Craighand, at the pier to meet him. He looked about him, somewhat disampointed, then stopped to buy a namer before builing a taxt. He was busy with the notes he had made at the Congress, which he was pledged to read shortly

tion. Hence, it was with more than ordinary interest that he looked at the glaring headlines of the those employed by the European seess.

One glance at the first page of the newspaper in formed him why Jim Craighead had not met him ered at Vienna. Dismay, herror and unbelief strove would not permit such a crime. "Craighted inquest perfunctory" read the streamer. "Well-known

train. The platform was not the train was already in motion-he missed his forting, one lear The inquest had begun that very day. Very Jarvis was reading went to press. It was after two and the dorice immediately resolved to hear what

asked Mr. Bailey, a law-

tern was necessary as soon as Mr. Craighead "That is correct," replied the dector "Were all the usual proportions taken?"

"Oh, yes," said Doctor Lawson, "I attended to that myself. The wound was perfectly sterilized. "What do you mean by that?" asked Mr. Bailey "Lettle offers are used to factor the earls of the severed blood vessels. Afterward, they are replaced nally being absorbed as boaling progresses," repiled

"And with all these precautions, the abook of "That will be all for today," said Mr. Batley "Tomorrow, I will want to ask you a few questions,

to leaving the court room, while the large crowd which had gathered out of curiosity to hear how "What do you make of it Fulton?" he questioned

the operation killed Mr. Crairboad?"

"So far, we have learned nething Jarvis," said Dr. Fulton, slowly, "I know how close you and Craighead were. You must feel terribly shocked.

It seems clear that the operation killed him. There is no ground for suspicion, but we must make some kind of fight, hefere we pay a \$300,000 policy which has been in force only six mosths. He left a large Dr. Jarvis went home in a deep, brown study

immune. He had been proverbinly tough, hubbling over with vitality. "How had be lost that ireres. day together-the day before he had sailed for Europe. They were playing tennis at the country

Dr. Jarvis, trying desperately to prevent his game, swung down victously on a high bounding like a voiley, impossible to handle. But Jim Craigthe ball, like a shot from a gus, sped down the side

> "Dann," he oried of fifty and I'm your ituator by ten years. But

"Doc," answered Crain-

\$100.000, the examiner a drean risks in my condition. I can run a mile at

a good pace and do any stunts in the gym that a the same are, had just run up to the clab heave in

HERE is a marker detective story of a different type, which we instrudy recognized in you. It again

ahead of him in a long again, though he didn't even DOCTOR JAEVIS recalled that picture now-the his adopted son's head, his arm foodly on his shoul

AMAZING STORIES der and the youth's arm about the girl's waist. The In no way could be reconcile his sturdy friend's

two men, apparently happy and smiling, she revealed very regular, white teeth. Ross Craighead was alwas wide shouldered and robust. The girl, although If the beautiful girt and the handsome youth

died when he was a few years old. The hand hetive soul, of the artistic type, against which charfight. The hey could not be hardened.

At college he was all for humanities, classics, science, logic, but close calculation in business had attracted him-he was good material for the teams, especially in bawhall and swimming. Just was secretary to Creerhead's manager. Her efficiency was due to the fact that she took every instruction seriously and oboved implicitly. She be-Craighood was inclined to discourage the inti-Rose began to orind expectly at tasks Jim knew Sability then an assot. She was an orphan, that

was all they knew of her history. But she was will educated, a lady in all her actions, so that Jim soon grew as fond of her as Ross. This, then, was the circle which had been broken up by a tragedy so nunecessary in Dr. Asrvir's mind as to be heart-Like all healthy men-men who have never full an ache or a pain, Jim was virtually a baby when

some slight cut or other wound came in a tennis or taking morphine. Jim had said, rather shame-"H's not a habit, Milt, but I just can't stand pain.

"Jim, old man. Pil be missing you," said the doc-

"We'll be waiting at the pier when you come back, Milt, twice as famous as you are now," was Jim's That was like him. He had helped Doctor Jarvis ing him and retaining in his successes. He was

fact that Jim Craighead was dead,

would kill him. His analysis was searching. Nothing in his experience was overlooked. He was phy. His science was modern—the latest researches were commonplaces to him. But facts were what he of Inspector Crawm at headquarters. They were testimony in triels in which the inspector was fa-

"Inspector," bersa Dr. Jarvis, "what do you know of this Creighted inquest?" "Well, Doc," replied the inspector, actiling his buge frame back in a espacious chair, so he wringrims involved. This is such a clear case of a man dying from the shock of an operation that the police have no more interest in it than the nobile. Of course Craighead was a big man. I knew him well myself. He used to atom here to nick me un some

times, so I got to know what an impatient chap he was. He told me that he'd sprint for a car, whenever he had to ride on a street ear, like any kid of seventeen. The insurance company would grab at anything suspicious but nothing has come up. We all know the story. Craighead got too cocks in his application shifting and was ree cour. It was mucky and rainy, so what followed was almost inexitable. Tough on the insurance companies, though Dee Lawson seems positive that it was the shock of "That is just why I den't feel satisfied," said Dr.

soon, but very apt to make up his mind what killed his netient. The more you might show him the probability of some other cause, the more stabbornly be woold believe in his own theory." "There are quite a few of us like that, Doc," smiled the inspector. "But, you knew the whole

family. In there anyone who could profit by Craig-"Well, there is Ross, Jim's adopted son and his nephew. But he had all the money he needed-he was in the business with Jim. Then, foe, Jim made no secret of the fact that his fortune was to en to Ross. So I think that Ross is out of the question, for they were devoted to each other. Ross is the This last day he had seen Craigboad, the recolidealistic type—he would be more apt to give money

away than tey to get it by murder." "Who else is there?" exerted the imprestor, indifferently, for he could see no mystery in Craighead's

"Then," continued the doctor, "there is the girl to whom Boss in engaged, a perfectly inneged createry who simply adored Jim-he treated her as if she were already his denshter-in-law. She is an er-

phon. Totale Prettyman." "Tessie Prettyman!" emloded Inspector Craven. "Good Lord, Doctor Jarvis, do you know who Tennis

"No, she has no family that we know of, but she

"WELL," said the inspector, bouncing from his be connected with any smurriing operations. Our

THE SHADOW ON THE SPARK

Picey Bill yery well. Some of them think she is his izen. I sen willing to be suspicious about Craighand's This revelation grated on Dr. Jarvis. He did not

bead and the "sweetle" of a notorious criminal.

"Expector," be said finally, "have you time to go up to the bespital with me? The records or the "Time, time," roared Craver, "this is official business now. What we have to learn is how Piggy

Crairhead's son. First thing, we'll so to the hosto be infatuated with Tessie."

In the inspector's hig our it was a short trip to the hospital. The records told them nothing new, have to say would be developed at the inquest. But for the fact, and fealy anyelled, that Pierr Bill was

would have remained assisted in his hig chair, serenaly puffing on his pipe. "Dot," said the inspector, suddenly, "let's talk to the head nurse first, then we can look up the young

man and Testie." "Miss Cornbill," asked the Doctor, when the head purse appeared, "did you see Mr. Craightad when

"Of course," replied the nurse. "How did Mr. Craighead seem to you?" he queried "Doctor Jarvis," the nurse said, "Mr. Craighead was very badly hurt. He was not a natical aufferer -he stood the pain irritably and was relieved when

it became necessary to etherize him. He saked the doctor to give him a hypodermic a couple of times, "That was like Jim," murmured Doctor Jarvis. "Bat," continued the nurse, "he should not have

died from the correction under normal conditions. Of course his mental condition was very bad. He was a very bandsome man, in fine physical condition and he mosped, time after time, "I had as lied

"When Mr. Craightad was taken home, Miss Cornhill," asked the doctor, "did one of your purses "No air" was the reely "Mr Craicheal insisted

with him-anyone abe, he was sure, would irritate "Those was were bindly Miss Combill" said the Doctor, and they left the hospital "Well, inspector," began Doctor Jarvis, when they

"See here, Doc," said the inspector, gripping Docfor a murder or some crime and by the eternal, you pretty girl check our investigation until we know that there is or is not a crime." "Immertor," resided the Doctor, with a hard effect in his eye. "as long as there is any c. abt as to how to express my opinion that neither of those two

were scaled in the car, "we didn't get very far at oness it may as well end where it is."

face. Dr. Lawson has certified that Jim Craighead died of natural curses. That prevents any kind of action until the inquest reveals something of a susto some unnatural factor in Jim's death before the "That's true enough," replied Craven, "and we

on him. You he at the impact bright and early and keep your eyes and ears wide open. I will find out when Tessis want to see Piggy Bill last and The invector left Doctor Jarvis at his door, a prey to mean conflicting erections. He had started stopped. But he did not want to leave Ross open to an insidious attack. His efforts to communicate

with him, however, were unavailing. After a a plance, a shave, and then having dressed bimself emotions, went to the Coroner's court. It had just costed with Dr. Lawren on the stand "Now Doctor," began Mr. Balley, representing the insurance company, "you were describing, venturday, the nature of Mr. Craighead's injuries. You

you tell the occomer and the jury what you mean "Why, yes," answered Dr. Lowson, "to use layman plied to the ends of all the severed blood variets when we amputate, thus desing them so tightly that no fereign or toxic substances can find their

Dr. Jarvis leaned over to the physician of the insurance company whispering, "Fulton, why doesn't your lawyer ask him bow the shock of the operation or blood poison could kill him, if the hasmostata were properly applied?" Dr. Fulton communicated this message to the

lawyer who immediately shot this opention at Dr. "Dr. Lawson, if the hasmostate were properly

arolled, how do you suppose the notecnous robstances got into the wound, if the wound was sterile, as we prist notine it to have been after the overnthrough the wall calls of the blood vessels—the ar-

"Well, one way, which I assume to have been the true way, is that the poisons made their way teries, veins and capillaries," replied Dr. Lawson. At this reply, Dr. Jaryss shut has loos very grandy. at this mument, Inspector Craven slipped into the "Doc," he murmured, in a low tone, "we are on the truck of semething-Tessie visited Piggy Rell twice. the day before Craighead died. He's a had egg, handed except this parcotic deal. He's bad, though,

AMAZING STORIES

ted enough for anything. Now, here's another funny thing about Piggy. He's an educated rogue, How does that fit in with your story now?"

where we are heading, but that last remark of Doctor Lawson's above me that Jim did not die of the cause his death. With a few more facts, I think I can clear this mystery. I'm half tempted to take a

"Walt notil you have the whole story," advised the inspector. "If we have to make any arrests, we "Doctor Lawson has just made a had break," said Dr. Jarris, "which makes it easy to show him up. sithough I hate to discredit him. He really is a good surgeon, but he's not modern enough. We

He then scribbled on a piece of paper, "Ask who In a few seconds the bower asked: Dr. Lawson, Mr. Craighead was in theres of a

"He was in good hands, Mr. Bailey," said Dr. Miss Tessie Prettyman, of whom he seemed to be

"In Mins Prottyman here?" queried the lawrer, "She is sitting just back of you." "That will be all for the present, thank you, don-"M ISS PRETTYMAN, will you take the stand!"
asked the coroner.

Both Dr. Jarvis and the inspector looked keenly at She was tall, well formed, with a wealth of blond heir which approunded a very beautiful expressive "You nursed Mr. Craighead during his last illness did you not, Miss Prottyman?" asked the lawver.

"Ross and I took turns, and sometimes both of us sat with him tegether," said the girl. "He grew

"Sometimes I did and corretires it was Poss" said the girl in a low voice, in which a slight eatch

"I can hardly tell you that," snawered the girl without hexitation, "Ross would be down for awhile in the adjoining room, with the door open, whenever Mr. Craighead dozed off late at stoke. Mr. Craughead died very suddenly, for I ran in a very danger. Ross of course new him die het modd tell me nothing about it. He said it was too awful." "Now is the time, Doc," said the Sespector, all his ictactive instincts aroused, "We'll see what the can see how doep in the affection of Piggy Bill's

"There he is, three seats over," replied Dr. Jarvin

chap, yet now with his lips tightly compressed, evi-

"Miss Protymen," queried the lawyer, who so yet

"how did Mr. Craushead die? Describe his symp.

"One look at him capht to satisfy yea." They looked at the tall, well dressed youth-

In the girl, the importor, looking for important sible accomplice of Piggy Bill Hovey in some foul "Swear Ross Craighead," said the corener, who did not know whether he was to be bored with a let of leaurance statistics or was to face a drama net

The buss of conversation in the courtroom ceased tion the inquest was tending. Even to the common this long rehearsal of symptoms without any avowed nurses seemed unpersonally delayed. Impectes Craven's presence pureled him. He did not especially relish having the police oversee his conduct of an increst. He saind rather curtly that the "Mr. Craighead," began the hawyer, "were you

with your father in his last hours?" "Did you purchase the medicines administered to him?" "No, sir," was the reply. "He was very quarulous if I left his side. When I deced off, he often called me just to talk. He felt the loss of his activity so much it was pitiful. Miss Preityman, who loved

him almost as much as I did, for we were always together, mour minded going out for whatever he wanted, day or night." "I should say not." multered the invastor origin

"Now," pursued the lawyer, obedient to the doc-

some understanding of the exact cause of your

father's death." "Woll," answered Ross, wearily, 'he insisted on taking opintes; he knew hew to take a hypoderesis hans. He was not a drug addict, but he often said that he would take saything to drown pain. It happened like a flush. I did not know that bleed poison could travel so fact. The night he died he

"Gad. Dor," snapped the inspector, "where is this

young chap? If he knows anything we can sweat both him and Teasie."

for he often took a glass of milk in that fashion. I not have slept more than a quarter of an hour when rushed into his room to see him broathing his last bottles of medicine. But what a terrible sight greated my eyes! His hands, arms, legs twitched

would lie down for a moment or two. He took a

aught even call for help he had a correlater and fied. I called Dr. Lawson. It occured an eternity before he answered. Miss Prettymen had heard my cries and she was with me. Dr. Lewson asked if he had taken anything besides the medicine he dermic and some other quiste.

"The honeless fool" he reled "I wount him against that your thing. He provides live killed him-

When he reached the house, he said it was too "Did you look at the bottles on the floor?" asked "Yes, sin " replied Boss, "They were all through

together in a broken heap—they had been on a small have overturned them. Oh, it was terrible, terrible."

"Inspector," said Dr. Jarvis, "that young man was must find our where that streebning come from

The inspector followed his gone to where Tesale soi. She was obviously horror stricken. A look Impector. His beart asok as he caught that leek

EVERY actor in the drame was apparently in his mind, cay recen than in that of the inspertor.

to sak Mr. Bulley to not me so the stand. I san exactly how the affair was managed, but I haven't the alightest idea of who planned or excepted Ht. any hand in it, they will talk better than if they were subjected to the third degree. I am talking

his mind. It did not occur to him that he might be suspected of number. Still less did he converse that savore would accuse of complicity in a murbuseways. That a not of some svil omen was wearnature, however, was a mostery to him. Yet when friend of his forter fother and as he thought, sine

that sure, even voice, which seemed to brook no dynamic figure. The dector was a tall, siender man. athletic and erect in appearance, with a firm, in-Dr. Jarrie was sworn. He was then examined on his various degrees, his experience, his adoration and other studies. Mr. Bailey, instead of asking a

"I would like you to bear patiently with what you like, when I have not been sufficiently clear, for whatever augustions was may care to rest. "Singularly enough, the mysterious death of the

through a remarkable assentific discovery which I must rehearse briefly. It is the relative size of the amalicat hadren known to arisense. The structure of the atom has been analyzed. The store in the depths. The alexants which arrive tota the atom have no existence apart from the atom. The atom is the smallest posticio of matter which can enter into the structure of the molecule. But it is not in destructible. It has been broken up into its ele ments. These consist of outer circulatory electrons

or gusteen composed of modifically observed produce

are in constant motion within the atom revolving

Ross dully watched the progress of events thinking are improved The model is soluble. To him time

that are was in custody. She had indeed, divined be-

The pursued rarely are ignorant that they are ment. Teasin half rose to her feet, but an officer forced her back into her chair. She realized then,

sel and dectors sat. After a few whispered words, nent physicians, an acknowledged authority and ness. His testimony may clear un some of our dif-

of residen year when I am through it will be wore affair to bring the guilty person to justice."

"H'm." mused the inspector a second, as if in one leave the court room until he gave the signal. There might be others," he reflected, "we who

Dr. Jarvis now stepped to the table where coun-"Mr. Coroner." he said. "one of our most promi-

THE SHADOW ON THE SPARK

the sum.

"Now, this discovery led to the measurements of these tiny particles. Science wanted to learn more about the relative masses of atoms and node-cales. The electron is about one thousandth the volume of the bedware atom. Do not think this

cuies. The electron is about one threasandth the volume of the hydrogen atom. Do not think this is all a pedantic discussion. You will see in a very few moments how very practical it all is. "The atom," continued Dr. Jarvis, "is invisible under the most powerful inferences. The moleure of the continued of the continued of the con-

under the most powerful inferences. The molecule is large, but defet the microscope. But, having pone thus far, science had to go further. The next larger mass after the molecule, is the celleid. A celled is a formless substance classified as a stime. It mover takes a definite form like crystallins substances. Solutions of gold on he make in the vice forms—there is a celleidial gold and

a crystalline getd."

A look of stupefaction was on the faces of the inspector, the occurer and all that wast through the ceutroom. Yet a pin could have been beard, had it dropped during that teens ellenes. Back of these mystic words an enigma by. That the doubter would clear it up, his case peef assurance second to

"Does the colloid gractically baffes the microcope. In the codinary attempteer, merely cloudy impressions can be obtained. How then is the presence of any of these time particles discovered? It is very simple, when the method is disclosed. The collisid cannot be seen, but if make the body presence of a cellid in suspected, its shadow on an electric spark betrays it."

spirate derived in bottom, for interrupting you? broken "Pardon me, bottom, for interrupting you?" broken be any bearing on the death of Jim Craighead, I would like to know, if these particles you are laining about, are so small that they cannot be seen with the strongest inferenceps, how if helps you say to know they make a shadow on an electric sport."

ci YOU may have read at times, Mr. Ballen," replied the helets, "manumements that istransment had bested at a transment had bested a star former through much
entation clearlands to be at reason point in the
havens, which the steleous has been unable to
peretrate. Well, the need of sight, which is 18-6.
000 tritles a second, higher us. A photograph of the
havens will sensition reveal something which the
eye could not see. So, a photographic plain will
constitute and the smaller practice as will as the

largest atars, too far away to be asen. "If you consider the light a moving is wown it in easier to understand what effect light waves have on these discoveries. Artificial light travels in wave farther apart than in the cone of natural light. The waves of this kind of light are a for apart that the colleid or small microbe can lie between the waves and make no lightereds no the garden that was and make no lightereds no all the garden or on the photo-and make no lightereds not the gar or on the photo-artificial lights." The doore been took a thest of paper and handly made a steeth which he showed

"The waves of natural light are closer together, but still too far apart to eatch much of the smallest perms, like that of camer, or the celluid, to advantage." The dector made another stotch.

Natural light waves:

STATE OF SUPER

"In natural light, under the microscope, it is at times possible to jet a hary largeside what covery bittle information. But it has been found persible to use the ultra-violet waves which are shorted than natural light waves has a vacuum and thus to get a photograph of particles too short to be cought in certainary light. Here the dotter made

M. W.

"Thus a shedow threen on a year of an ultraviolet ray in a wearaw will be recorded on a photograph of the phrameon. The discovery of the Ecopered Exp., thi X-rays and the warrisan reastion when as "gamme," etc., were all stepping stones to our knowledge of the thinist particles. Compared with electrons, atoms and molecules, the colbid in relatively large.

"A photograph would how the presence of a collid without great difficulty. Now, what is the relation of the collide to the prablem we are tryleared to the collide to the prablem we are tryleared which were mathered by necessity. Surcey had to be not only uside that effective. While the properties of the property of the colliderative of the present and the collideration of the known as blood patient. It is defaultely the shock that the present the collideration of the presents in the world were it was been absurption or infiltration of certain tender or pacessors stebalances which belong to the ceitiful control of the collideration of the ceitiful tender or paters.

handly, we observed that if the hermoticht was invarid from a swinder tometre, which had have invarid from a swinder tometre, which had have impatibility to extend the property of sea noticeable. This left as the enderstance that the hermotichts layer out according which could eather that which followed was that the cause of sheck was cororchize which could not peer through an actual temperature or these, each cause of sheck was cororchize which could not peer through an actual temperature or these, each to the most of the country of the most of most of

"So, if a wound is much perfectly stells and important are used to seal the wound bernetically, the celled poisons are excluded and, as they of could not penetrate an animal membrans, the sealing of the wound effectably prevents the condition known as shock which to often it the fatal result of an operation. The time colled, forth known by

its shadow on a spark, cannot enter the blood spector was unmoved by this demonstration. Be atreen if the wound of amountains is sailed, was calculating the girl must move. Either she

and explitation presents a compact and effective bearier to the passage of the colloidal poissons which cause death. Can you see now where we have serived? Dr. Lesson has said that Mr. Grappboot's death was due to peisson which scoped in through the wall cells of the blood vessels. But in the keap early perhaps thresome explanation? I have absent this to be impossible. Jim Cratigheed did set like

add perhaps tracelle. Jim Controlled for the about to be impossible. Jim Controlled for the profit tree that the warred was perfectly clean, that it was impossible for infection to have unitered at the point of amputation.

"If it was impossible impossible them, it was impossible impossible them, it was impossible impossible them, it was impossible in the profit of the state of the shock, he died of zeen thing at the war to thoo points, for it would not have acted on a man of

poism, for it would not have acted on a man of Ocuţicación estrenția and perfect bashin, in so abort a time. His death was due neither to hisco Symmone told un clearly couped. Confidentia and describes in uncedinical larguage, symptome which point ament uncertagely to the fast that Cruipkend died of poisson odeninisteried to him. That poisson, I assort mue striybeline."

Held a themselvine neutronic compile on anaby tuilding and caused it to evan in on them, or held a key rubbed in crying that a tidal wave sair sunking up Broadway, the excitement could not have been greater. The girl was crubbed, Wes it guilt that could be read in her terrified features? The occurary jury, which a few mixing earlier was ready to conder a verified of earlier was ready to conder a verified of earlier was ready to conder a verified to data die

carner was ready to vendor a vertice to state on the court to an operation, was now analous to recommend the arrest of a marcherer, the court Pork a few seconds the atmosphere of the court Porks are seconds the atmosphere of the court between the state of the court between the state of the

word synker by the decire hall harmed he ceal. His standy, call metarior encouraged the girl and sha grow calmer. This combon elinear was broken by the coroner. The Jarrier' he said, this fact of rolessing conracility he established by an actopy. If it reveals, as you shows, the presence of poless, arrests must "West if after the autopor, you find the guilty one

follow."
"Yes, if after the autopoy, you find the guilty coswho, being warned, would fice," cried the inspector,
who had followed the conclusions of Dr. Jarvis and
decided upon his course of action. "While you
are looking for proofs which you are certain to
find, if Dr. Jarvis is not mittaken, and be does not
talk lithe a man who is ristaken, I, will take the pretalk lithe a man who is ristaken, I, will take the pre-

fad, if Dr. Jarrie is not mittaken, and he does not talk illia a man who is mittaken, will take the presantion of arresting Ross Greighead, on the charge of polarizing to sheing an accessory to the polosuing of his father."
"What a foul litt" cried the youth, leading toward the inspector, with when he would have grapples like a wild beath, that out the police interceded. After a violent struggle he was manacled so that he could threaten on more harm. The issubdust when the girlt woise could be board showe the turnst. Terror and disney minifed In her cry. She reas to her first and began to speech. An officient granged has are to from he label time betioned to the state of the state of the second her. He spoke to her across the room. "Whatever you root, Tenlas, will be used against you," he said. "Do you want to take the stand again? Perhaps you had better that a slawyer, thing I know. I did not underested what it all mount tuntil Dr. Jayris had explained. Now I we

would remain colm, as might be expected of Piggy Bull's "excepts," or she would try to save Ross. His

most staff by Jarris had explained. Now I see Bens-rope do not have he for control kild a radial. He would rea his one of a bridge is been accessed to the control of the time of he is desired. But I serve constitute to me if he is desired. But I serve constitute to me if he is desired. But I serve constitute to believe ma now? to the vitions but, where he to be the control of the vitions but, where he was the control of the vitions but, where he text the outh again. The control of the degree and the control of the control of the degree and the control of the control of the degree and the control of the degree and the control of the degree and the control of the Control of the degree and the control of the degree and

"Row many times did you go to see this Bill Howey?" the day before Mr. Ornighend died," she amovered didly.
"Bill Howey, in the parlance of the underwetel, is your tweedle, is he not?" pursued the lawyer.
"You filthy out," but for Rices, who tried un-"You filthy out," but for Rices, who tried un-"You'll be yazered, if you don't keep quite," mad one of his guarde. But the impactor transed and one of his guarde. But the impactor transed and

availingly to break bit manades.

"You'll be paging, if you don't keep quist," said one of his guards. But the inspector turned and mationed for allows. But the inspector turned and mationed for allows.

"Mr. Builley," replied the piri, with dignity and reactiment, "Bull Revey is a man who, I have beared listely, has committed many wrongs, but he is fifte-two rears old and I am teenthyses. He

never was my 'sweetle,' as you call him, since you are so well acquainted with the unforwerid; he is my stephither."

There was a murmur of accorded from the cree-

my stepfather."

There was a mormar of approved from the operations, who obviously did not like the way the examination was conducted. Inspector Conven leaned

toward Dr. Jarvin,

"Did Mr. Crairbool and Ross Crairbood know that your stepfather was in prison?" asked Mr. "When Boss Craighead first soked use to dinner at their home," answered Tessle, "I knew that he was abowing me serious attention. After dinner, I

We're only setting started. How about

could talk to him more freely than was possible in the office; I told him that my stepfather was a drug addlet and in prison for having drugs; that he was un educated man, but of no account, and that he always had plenty of money, although we never knew him to work Still be never was mean All this I told Mr. Craighead, thurking him for his kindness. Then I intended to leave. But he and Ross refused to let me go at all. They said it was had except to have the father's sine visited on the children, too,"

PROMPTED by the Inspector, Mr. Balley contimord his question "Why," he saked, "did you go to see Bill Hovey the day before Mr. Craighead died?" "I should not have gone at all," reglied Tessie, "if Mr. Craighead had not requested it. He sent me

gist refused to fill it. He knew Dr. Lawson had forbidden it and was afraid. Then the pain get "Teenie," he said, 'do you mind going to that no normant stonfather of yours? Ask him if he

fellows always know where it is to be had. Just my that you want to do me a good turn-that I am "I soked Ross what to do. He said, I don't like it at all, but he never uses it unfren he is suffering. so I grees it will be all right to burner him. He is always brooding over the less of his foot, so a few hours of freedem from pain may do bim good. tennis rates, two years ago. I thought he would go mad. He just drugged himself all the time to

deaden the pain. The dorter said he took enough to hill a horne. I often feared he might get the "No. I went to see Bill Hovey at the petson. He seemed glad to see me and told me what an injustire had been done him. He said he felt sure he could got out if he had money enough to pay the howers. After he got out be intended to go off

"Testio, I could fix everything up if I had \$10,000. You could get it, too, to help your father out of trouble." "'How could I get such a sum?' I asked

"If that is the proce of asking you a fame. Bill Hovey,' I enewered, 'I may as well go,' "He changed, then-tried to seeths me-said he what he had said. Then I asked him where I could get some mornhine. I told him how Mr. Craighead

accord to help him. I didn't want to tell Bill anything that might encourage him to try to get money Crafebood wanted us to wait until Ross was well on in the haviness became Ross was to sucseed him. He wanted him to learn the 'rones,' from

"Teaxie," he said finally, 'Til do this for you min and is known as a mydriatic. But it has other properties, too. Do you know anything about 1850

"'No,' I answered, 'I never studied much chemistry. "Bill wrote same words hastily. He said it was a prescription which I was to take to a slare near

The moment the girl mentioned "Terrytown," from their seats, one moving toward the door, the other to a corner of the corridor where there was a telephone booth. But the inspector, who bad followed the cirl's story with the utmost attention. was watching every one of the speciators in the growded court room.

"Get those two men," he ordered, pointing to the pair, who tried to force their way along more traicidy. The second man actually entered the telethe operator. An officer posmoed on him before the operator had answered. He struggled mightily, for resistance. His companion reached the door to walk into the arms of another officer.

PANDEMONIUM now referred in the court raim Two reporters rushed to the telephone booths. The police made no exception for the men of the press. For some minutes the confusion was too great for any voice to be heard. Finally the inspector succeeded in making himself heard, his big, beeming tonce deminating the uprest "Mr. Coroner," he becam, "nothing but the neces-

sity of preventing a crafty secondrel from making furiadiction. I sm an officer aworn to uphold the dignity of your court as well as that of any other

judge or official. But I knew, if there was a grain of troth in the story that young women on the stand was telling, the villain certainly could not be without interest in this inquest. He would not dare

to come himself, nor would be dure to remain lancreat of what might transpire. Some trusted egent must be present." "Will you continue your story, Miss Pretty"Bill wrote the prescription in words I could not

understand. He said it was Latin. I studied a little Latin in school, but not that kind. He called English. The last part of it I could not make out

"'He's an artist," said Bill, 'this druggist you his art, a creature of meticulous skill. Fussy be

"The prescription here no address

"'On 42nd Street,' he said, 'off Broadway, look

above it. Tell the driver Bill sent you with a preserintion. He will take wan to the place. It is a

"I went to 62rd Street and Broadway, as Bill than a few seconds. While I stood there be-

and a figure pine. The traffe was storged for an instant. He opered the door for me to step it. The sue and drove almost realdensly. After that, he

Rynafway We never left Broadway again until we reached Tarrytown. We pessed a number of had never been so far on that road before. But I

a woods. It looked like part of some his extate that been absent a long time. Weeds grew tall, the fences were broken and it looked quite deserted. bung on one hings, into the woods. The driver

lifted the gate to let the car through, then closed 0 amin behind him. Some distance from the road well hidden in the trees, we came to a house, once a tenanted house, but now looking very dilapidated

"The car stopped and I stormed out. The driver one necred through a dust-covered window half door opened, the driver mumbled a few words and we were ashered tate a stronge room by a min-

places such as you see in the bereital, rolls of bandages, first aid kits and instruments. The dragtion, turning his hand to bis bottles and sissues as that he was a skilled anotherary by the way be kendled everything. When he had filled the prescripcolorious House which was labelled: "Done-ten

WTHE driver was waiting outside the house for again. Once in the taxicab, the driver backed in among the trees to turn around. He drove back to see Bill again to learn if the prescription was acceptify filled. When I saw Bill Hovey I showed him the bottle. There were many bottles in his cell. in the prison drag shop. He took this bottle and

held it to the light. Then he took a sip of it Scores to be all right? he said. He wromed up a bottle, but I know now, that he must have given me a different one. I put it in my pocket. From the prison I went straight to Mr. Craighand, Ross "Why all this round-shout way to get a little dense? It was all horrible. I wish that you would not take any more of the stuff,"

"Mr. Craighead just laughed. Well, little girl, be said. 'If a man incists on buying Bquer, he must

turned again two or three times and I recognized go to rather ugly looking places to get it-if he must have morphise, and the dectors will not get it for him, he must go to even ugifer places. But "That night he took a hypodermic, but never touched the bottle. He kent all out of aight when Dr. Lawson came the next morning. Toward night his pain became intense again. That must have hoor who he used the drug the misthagen druggist

had given me. If I had only known-oh, if I had Tessie gave way to uncontrollable subbing When the had grown somewhat composed, Mr.

"Could you read the prescription at all?" "One word, only," replied Testie, "Scopolarsin." "What become of the prescription!"

"There was a file," said Tessle, "with a number of other prescriptions filed upon it; the drug gist put the one Bill had given me with the others" record Torolo wolferd unbindered to where Born

set manacist. Inspector Craven himself removed the handcuffs from the boy's wrists. He drew the girl to a chair beside him. "Mr. Coroner," said Inspector Craven, rising, "I which I mentioned before Miss Prettyman had completed her testimony. There is but one way to teet her story fairly. Assuming, as I do, that her story is true, she would be placed in jecquardy, if the men who tricked her were allowed to escape. It is possible to trap the druggist, who doubtless, with mind warped by affaction, is expande of aiding ashold this session open until I have had time to sible, the author of a diabelical plot, several upex-But in order that no warning may be given, I

request you to make an order that no one leave this "It is an extraordinary request Inspector Crado not know if I have so much arbitrary nower. clear up the young woman's story. Is it possible

possible for him to give her writing without de-"When a man like Rill Hovey is captured, Mr. Coroner," answered the inspector, "he is often given a great deal of apparent freedom in order that he case, that he may betray the hiding place of a lot of dangerous drugs. It was even contemplated to release Hovey and keep him under surseillance, but

be is so allowery a character that the plan was ahandoned as too visky. Two men were detailed to follow the young woman on her visit to Hovey. They were not clever enough for the ich. The taxi driver went three times around the block with the officers two cars behind on his trail. The driver knew it. He drove around the block until he saw the traffic signal about to change. He dashed across the street while the officers warted until the signal was charged again. When they crossed the street

taxi, as Miss Prettyman has related, did not return to the city that night. When she returned to the prison, the officers who were supposed to be watching her, were still looking for the taxical, which they learned had turned into Broadway. This incident, however, will result in more stringest rules

"WHAT I propose to do is this," continued Inbe has been warned, the druggist will be awaiting news. You men from this room are in custody There may be others posted here. For that reason our mission will be futile if anyone is permitted

"If I make such an order," said the coroner, "your men will have to enforce it. No matter how you travel you cannot go to Tarrytown and back under

"That is true, Mr. Coroner," said the inspector "yet this is worthy of consideration. In the last four years there have been seven unexplained marwithout a prescription. Yet no prescriptions for of them been traced. Here we have two desparate men skilled in toxicology with a supply of danger-

ous substances."

The coroner hesitated no longer. Rising from his enjoin and forbid any person to leave this courtroom until the return of Inspector Craven or until he has advised the Court from Tarrytown, which I require him to do the instant he has accomplished An additional detail of officers had arrived. There were a few marmars against this exercise of autocratic power, yet the murmurs were soft, for there

chair, he propounced his decre

in the courtroom, who did not want to be present at lying. Others quite veherrently exponed her cause. Obviously the hours would not be dail in the court

The girl, a picture of abject despair, sat at the side of her affanced lover, uncertain of a future dawn of boos. Turning to her, the inspector said; "Tessle, you must show the way to the drugglet near Tarrytown. It means freedom and vindication

If we can raid that prescription, it. Ross, I think it is coming out right-as right as it can To this Ress made no reply. He pressed Tessie's hand in farewell, then the trio left the courtroom, hundreds of ourloss even following them. Some women whispered as Tennie passed them:

be remarked to the doctor, took one of his men along as chauffeur. He feared that he would drive too fact for safety. So he said to the officer:

"Tarrytown, Bercolo, at the best you can get out The automobile had a rict car siren, but it is safe egytions, the read was perfectly straight all the way. The car could run at a speed of over sixty. It ran very nearly that the entire distance. As they

the world might be here when this nightmare was over terrified her. The doctor read some of her ber talk pointed out objects along the road-a diffphone and telegraph posts absect resembled a picket fence. She replied in monceyllables. Finally

"You musta't worry so much, my child. What is "Oh," she cried, gulping to keep down a sob, "if the handblack has taken alarm and rone away, what "The shack will still be there, won't it? That

These words bewildered the trembling young "You don't believe, then, that I gave him poison

"I would need more recof than we have now." To this enigmatic reply there was no response. THE SHADOW ON THE SPARK

place where you turned off the main road. The apendements rays 62 now; if your guess of the distance as accurate, we should ran much slower." Beronio ran the car more slowly for three miles, but Teasie did not recepting the turn. Nearing four

miles, as the inspector was beginning to be assailed by doubt, she said suddinly: "Just beyond here, I remember, is the cross road. This gataway with the two stone liess at each side, oursed as we named—a car coming out delayed us

for a moment. It should be less than a city block about."

THE inspector felt almost cheerful when, two bundred feet further on, another road crossed their path.
"To the left, Beronio," he ordered, "when you

"To the left, Berono," he ordered, "when you come to the trees take the wagen trail and go Just a short distance."

Impacter Craven and these words faitnowly, like a men who has learned a leason in which he has not the alightest belief, who has been told to memorise the dark for like and conclude to word. He

the first firty lines and mumbles the words like a talking fold. They were all unnerved as the final test approached. Mentally, the imposertor blamed the doctor when had fold him that a feet jeurney like the durant. Dr. Jarvis alone second unnoncontract list tall storac, erect and commanding, this light of the durant of the durant storage of the compressed in a firm, straight, uncompressibility like, Doctor Jarvin was the first to not out. Inspection

Craver was at his side in an instant. Become opered the centrile handing gate and ran his car into the shelter of the trees.
"How for 6d you go into the weeds, Tensle?" asked the inspector.
"Possibly four or five thocks," replied the girl. "Barenis, give the doctor your gus," ordered Inspector Craver. "He may need it. Lead on Tensle,

but go softly."

The evening was coming on, the autumn air was coed and damp in the neglected woods, weedly, with thick undergrowth; it was difficult to think of a house of any sort there. Yet they followed the girl, investitiently, absent treading on her been. Free hundred yards they trouged along the winding

path when Tassis stopped, among any maps when Tassis stopped,
"Look," she whitpered, pointing to the right.
Both mes followed ber glance, seeing with relief
a dihydriated treamt home, to all appearance, unoccupied, awe for an almost imperceptible this line
of smoke which was just wistlik above the howare
effer of the Arberow. The door was closed, bits

of smale which was just wistle above the holes edge of the chimery. The door was closed, but would probably offer no formidable obtacle. Buttors hung crasily over the one window which opened on the front of the house. They were half closed, hald by a hit of soiled ribbon.

held by a hit of solied ribbon.

"Dec," whitpered the inspector, "I am going to allp over to the door. If anyone tries to drop out by that adds window, use your gen. If any of Hevey's gang is shout, they won't mines matters." Inspector Graves was himself, now. The house

and assaid. He shought no longer of who might be inside and with a mighty input, four the door open. As he should full over the threshold, a side open. As he should full over the threshold, a side open. As he should full over the threshold, a side who have been as the side of the side of the was followed by a cry of pain. He shall side of was followed by a cry of pain. He shall side of the side of the side of the side of the side of colly at the gas which covered kits. The instead the report range of Deete Lartin and Tesuic half run to the door of the sharty saled Jarvin. "We winged as in the left shoulder," and Growen

against the door. It was bolted and resisted his

"He winged me in the left shoulder," and Convenration, "If I had not strainful when the door gave prints, "If I had not strainful when the door gave for the heart. Prefty lookin' hird, aim's he! Is he tho one who filled the prescription, Tende?" "You," replied the girt, while the dwarf looked at her naisevocation strength on open stove. As the dootor, assing the blood on Impactse Crawwin cond, the control of the prescription is the control of the became to examine him to learn the extent of his

al indury, the hundhark, with a quick movement, granped a bundle of pagest spiked on a file and the worker hand in the store.

"The prescriptions, the prescriptions of order Teached ide, in a panie."

"The PORGETTING his wound, the inspector leaped at the hyndhark, felling him to the foor with a

see he way have from the but of his rowber. He said to the floor, motherians. Doztor fasteria had desired to the stown from which he retrieved the shoot of spapers, little the worse from the flavore course from resolved the retrieved the thread of spapers. See the worse the but only had singed the close. The decrease nearliest meet from contact with the floor. The decrease of the story of the space of the story of the

can find arything that looks like the prescription.
Bill Howy gave year."

Bill Howy gave year."

Engoty enough, now, she lifted one sheet after
another from the file. Not far from the top she
came on one which she examined carterily,
"This list," she said, belief it out for Dr. Jarvin
to read. Hill productional instincts, horever, over"lamonicat." In cried, somewhat sharefacedly,
"lamonicat." In cried, somewhat sharefacedly,

remercial for suches toward a wounded orbest, "it us have a look at that thoulder draw".

"It hurta like the devil," said Impector Creven, but that held is striving, no order first. Take a pair of handerfits out of my pocket and susp them no how writs. He would blow us all up and himself, too, if he yet the chance."

Dr. Auryla sourced the mothshapen dwarf, clumsily

was bleeding. Without tee great delay, for he was runh more verried over the inspector than over the misstappen drugnist, he bound the wound tightly to prevent further bleeding. In all this commetter, although he stirred, the man did not regain conncionness. He had been deed: a stiff blow. The innector was not arriseably wombal. The

AMAZING STORIES

halls fired by the bunchback, from a victor little automatic 25 had new straight through the choilet of the straint of the straint of the straint was a nation of a flow minutes to dress the wound, but Craven was impedient to lease the treth. Has they found the preception of they had, his wound mailtread bittle. If net, he was a feel, He had made a molecularm of a coreover's investigation. If

they found the prescription? If they had, his wound mailtered bithe. If not, he was a fool. He had made a melodrama of a corecer's investigation. If without cases, he was a many. With cases, he preserved his eff-respect at feast. "Dec," he mid, as seen as the bundage was drawn tight and a templated somitied. "See what had of a

tipes and a torrespond agricus, "See with Link or as fish Piggy Bill writes. If the the Herature the little lidy says, 12 bet it against Shakespours." Dector Jarvis then spread the paper Tessic had given him on the counter, while Tessic and the lamouter beamed over her shoulder.

"The first paragraph calls for morphise and sepolardis," said hs. "But scopolamin has no virtue in a surgical case. But wait," he added, "there is more. My God, what infamy!"

nore. My Gro, when interpret.
For a incoment be was speechies, then began reading words incomprehensible to his bearers.
"Morsoon et cher nut!" was the salutation, then cause the following words: "C'est blen drifte que le

not 'acopciumit' et le mot qui exprume l'extrait de la neix venique oni la naccio total; il screit l'éci dournage el l'on preceival l'un peur l'autre."

"What dese it all mean?" asked impecter Crave. "Weill" asserred the dector, "it i not medical Latin nor any other kind ef Latin. It is written in fairly avoid Preceb, not at all difficial to follow.

harry good Freece, not at all difficult to reason. This is how it reads: My dear friend: it is very curies; that the word "scopolarith" and the word which signifies the extract of mor vorume have the same number of letters. It would be sed if one mixtuel the one for the ather."

"That was why he told Testle seepolands would belt Craisfeard. It kappened to have the same number of letters the way he spelled it (without the "e") as strychnine. Strychnine is an alkholid of razy vortice. He knew Tessle was ignorant of French—the rest was easy. But I don't understand what he bound to sains by it."

"Whit, a hard-boiled gry like that?" shouted the inspector. "Holl, he needed \$10,000. If Tessis got married he would send for her- and tell the otery counting on her fear to see that he got counts to pay the lawyer who marraneed to get him out. Why, this bunch saw Tousic paying hischmill for marrier he sext to rears." Thus turning to the gift, he

the next ten years." Then turning to the girl, be continued:

"Tende, you have our compliments. I hope for turn will smile on you. This has been a terrible reliable for recovery.

orman for a young girl.

"Indeed," so blood the girl, as reaction set in, "I
do not care about fortune, now. How can I like,
knowing that I beloed all my benefacter, the set
who was as much a father to me as my own might
hows been had be black.

The declar took the huntle of prescriptions and with a number of visia containing prohibited drags, narceties and tende estatusces, they returned to the cor, the dector feering the hiddens tooking dwarf to walk beside him. They found his name to be Timstely Clear, from one of the prescription. He was builted late the car and the return jaurney to the method of the contraction of the contraction of the method is the car and the return jaurney to the method in the car and the return jaurney to the method in the car. At Therptown, the inspective tion were smooth orders for deadly poleons, signal by Piggs Bill Robert, in dome his many time owner. The proof in the Christinhoul new was contributing. The proof in the Christinhoul new was contributing. The proof is the contribution of the con

for order failed to check the appliance for the girl.

DR. JARVIS followed the impector. He identified to prescription, and gave its hideous benefits to vividity that the spectations shindlered. The jury took but a few minutes to reader a verticel.

As the verified was amounted, a finity dressed

"What a monetrons injustice! That young man inherits all his father's wealth, although be helped to hill help."

She was one of Jim Craighead's numerous consins and chaprised that his hig estate was beyond her reach. Ease Crayfficed was too far away to hear

reach. East Cragifical was too far away to beautiful her remark, but she heard his reply breatheastly for he rose to his feet, before the crowd, dazed hy the rapid turn of events. He took hold of Tessie's arm, and stood near the coroner.
"I want to say to you, Mr. Coroner, publicly," he began, 'to Dr. Jarvis and to Inspector Craven, that after what that here revented here follow it is in.

processions for rea to late one penny from my intervenential. If well makes the Jarvis executor and for any resear, for not nanced to the preperty. Since I, however immonally, was, with Traint, the intervent of his death, the sunsay would came to me satisface with blood. Yet this tranged has leafted the face of Twas and myself in an inclinatellate way. With what we have, we have the city smaller way. With what we have, we have the city smaller

beet we can, what life has in store for us. If we are free, we will go at once."
"You are free," said the coroner. "All the evidence is now on record."

"You are free," said the coverer. "All the eridense is now on record."

The crowd moved saids to let them pass. As they moved toward the door, the girl clutched with both heads, the arm of her warfurer in crims. Unwillian

"Timinate in the dwarf was rever tried. He was found dead two. In this cell the sext morning, despite the careful course for to pervent his suicide. A small capacite in the mouth showed that he was always prepared for the presulting of capital. Piggy IIII died morter to prove the presulting of capital.

d riouty before any charge was presented against
the "Suicide," researched Impactor Craven, "as
well with the rose said, is confession."
A year later, Dr. Jarvis received as assessments
from Sydney, Australia, telling of the birth of "lim
Craishad, Secool." "a worderful, then how.

ethy Chen, from one of the prescriptions. He was transpass, Second. "Is wonderful, blend loop build like the ear and the return journey to the leadily and noday." The doctor resided as he restreptible hears. At Turrytowe, the inspector called that his power of appointment had not been stoped long enough to have a couple of forces ason



HICKS' INVENTIONS WITH A KICK (By HENRY HUGH SIMMONS) (Continued from case, 49T)

bling with the button. "It word work," the inventor walled, "Something has gone wrong with the system. I remember row," he added, "I had the hand release takes on-just taken out experimentally. It's have to put it in agela. . . ." "You will have it put in agena, you confounded "You will have it put in agena, you confounded shrinks of the professor and the walls of the form) company, "when the professor has had his ferm) company, "when the professor has had his

female company, "when the professor has had his face sculped and has been membered. Go and cut the juice off, I tell you! Haven't you got enough seme?"

The entire company steed assembled around when the professor was having the shine of his

where the professor was having the shine of the Scalin treed belongly to got the posterior cut by the lens. Bedoubled shrinks of agency made him dust from the Carbinatas sockease. I dree my printed links, as we have the veint of a tottenty right links, as we have the veint of a tottenty right links, as we have the veint of a tottenvery range were gainst 1 did not know who it was. Yen, 13d. It was the water rising on my feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if was famely have feet. Did I say feet a white age if we famely feet. The samely was a second of the same feet and the sa

is something radically wrong here. Something must be wrong, I am sure,—I know something is wrong. I and be sent into a spasm of working with the switchboard.

7 700 thought that something must be wrong.

I the there were refined at the sets of short half an inhall as each I took each year had not have a some that within least them a minute to colorable to see that within least them a minute to colorable to see that within least them a minute would not be a set of the set of the sets of the set

tool. In 5 TeV absolute the water was up over the Color and of the total to the total to the total to Color and of the total total total to the total to the devil to spy! I colored. "For earl to the perfects any nor and the water is inform. Get out." To her house it must be said that the years this and held your know!" and the total to the color of the total total total to and held your knows are beyond bearing. The water—for the professor was beyond bearing. The described good, "raining little gurellage office to the color of the color of the color of probability of the color of the color of probability of prob

I dot the outward rush of waite, while the loved life several inches in the Eithers to stury ratings gasile several flowers in the Eithers to stury ratings again several flowers for the Either several residual several flowers for the residual several flowers for the Forst reconstruction. The residual sayahi I will over a forget. If the residual several flowers flowers are standing on a table—side I tall you before that we standing on a table—side I tall you before that we standing on a table—side I tall you before that we standing on a table—side I tall you before that we stand the sayahi which was to be suffered to the sayahi which was the sayahi was the

tration in the water, and every time one tried to rise a step, and karplank! sit down in the water, "Someit is biting me," screamed Aust Eulalia. For a That confounded Automotic Carpet Sweeper was there under the water, rashing back and forth, and get up, "All get up on the bable!" I shricked, "ce you will be killed." Evidently they were ready for any advice, for they scrambled out over the chairs and on the table with an elective becomes of desperation. They could all fust find room on it. Just as if galvanised, moving toward the opposite end of the room, and all five not down in the lake below. Screams and curses instantly rent the air. There again was that confounded saction aweever, as longer sucking, but running all the same along the floor, knocking the unfortunate people down as fast

here we done, but we what as the mass size is both too home who we have been a continued to the continued to

was my chance. I could do authing smill the release aveckad—why are fit time to good me. All these needs.—The part fitter to good me. All these needs. I best down does to the bester to observed the way the spirites actual, and present the bester bely was coulded in and wrapped around the highhit was coulded in and wrapped around the highhit was coulded in and wrapped around the highdenian with my book was guiled up mill true first providence of the high spirites and the spirites of the deliant with my book was guiled up and the procentified across, a feeling as if my down would are global, and three solid hundrid of my hair, public public and three solid hundrid of my hair, public public and three solid hundrid of my hair, public in the solid hundrid of my hair public and in the solid hundrid hundrid hundrid hundrid hundri

and so was my forehead of every vestige of hirsute adorament, while a little stream of blood slowly trickled down over my acce.



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AMAZING STORIES (Concluded on page 514) **IGOKED around and now the mentioner with the halo.

LOGISTO COMMON OF PRINTER WITH THE PRINTER WITH THE MAY NOT THE MA

remance! He would have made then look the nothing Smith and Irvine were design well, and they were beyeshop continuationd. In five seconds the inventor was cut of sight Than I remembered that I was the sew but held took the thing up. I began to think. Generate details of severs recent bysalment shated discount you made. Without thousand proceedings of the contraction of the contraction of the I looked around continuity. Then I required my shoulder and walled sway in the most disjusted moment I could must ter mad reached three, you set worse far the experience which is as it should have been, for it was not in primawhich is as it should have been, for it was not in prima-

Discussions

in this descention, as shall discuss on marking the property of the control of the

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